21st CENTURY HYBRID LIBRARY TECHNOLOGY
For Public Libraries in the Digital Age

Hybrid Library Ecosystem Technology

DLSG
Digital Library Systems Group

DLSG a division of Image Access
Digital Library Systems Group

Director Darrell Batson
Frederick County Public Libraries
110 E Patrick St
Frederick, MD 21701-5630

January 3, 2017

Dear Darrell Batson,

In these ever changing times, it is difficult to know the best path for a public library to take. Should it remain true to its original charter? Should it seek new ways to remind its citizens of the values that it continues to have for them? Should it experiment with digital age technologies like adding maker spaces with 3-D scanners and printers? Or should it morph completely into a community center? One thing is certain. The digital age is not going away. It is clear that libraries must do something to embrace the digital age, or at least become more compatible with it.

The Digital Library Systems Group believes that public libraries can serve their communities in ways that are vital to the health and future of society. Throughout history, many of society's most important leaders, protectors, problem solvers and innovators have come from disadvantaged groups within our society. The information and intellectual stimulation that the local public library provided to those people may have been essential for many of them to reach their full potential. Perhaps an equally important value that the public library can provide is the assistance it can offer its digitally disadvantaged citizens, people who, for whatever reason, do not have access to much of what the digital age has to offer.

Today, the greatest liability of the public library – being a physical location and not a virtual service – is also its greatest asset. Among Apple's greatest assets are its hyper-performing retail stores. When Microsoft opens a new store, it often celebrates it with million dollar donations to local non-profit community services. But significant innovation was required for these two digital age companies to succeed with their physical locations.

This package contains information on digital age services that are directly linked to the original missions of public libraries to provide egalitarian access to information and celebrate the value of the printed book. For digitally disadvantage patrons, Digital Library Operating System (DLOS) provides a simplified access to the Web, a digital document manage system, a $5 PC on a [USB memory] stick, and even a very visual budgeting program. For everyone, especially college-bound students, Knowledge Imaging Centers (KIC) provide an introduction to digital age information capture – KICs serve 70% of students at US universities. Patrons can bring their non-digital photo archives, scrap books, children's art, etc., into your library, scan them with a KIC and order beautiful color glossy 'coffee table books' through an on-line POD marketplace.

Please find some quiet time to review the enclosed sample 'coffee table book' that your patrons can create at your library, and the complete, affordable hybrid library ecosystem that provides major value without requiring you to reinvent your library.

Thank you in advance for your precious time and attention.
Sincerely,

The Digital Library Systems Group

www.DLSG.com / www.KIC.com / www.ImageAccess.com

DLSG
Digital Library Systems Group

21st CENTURY HYBRID LIBRARY TECHNOLOGY
For Public Libraries in the Digital Age

Hybrid Library Ecosystem Technology Overview

Preface

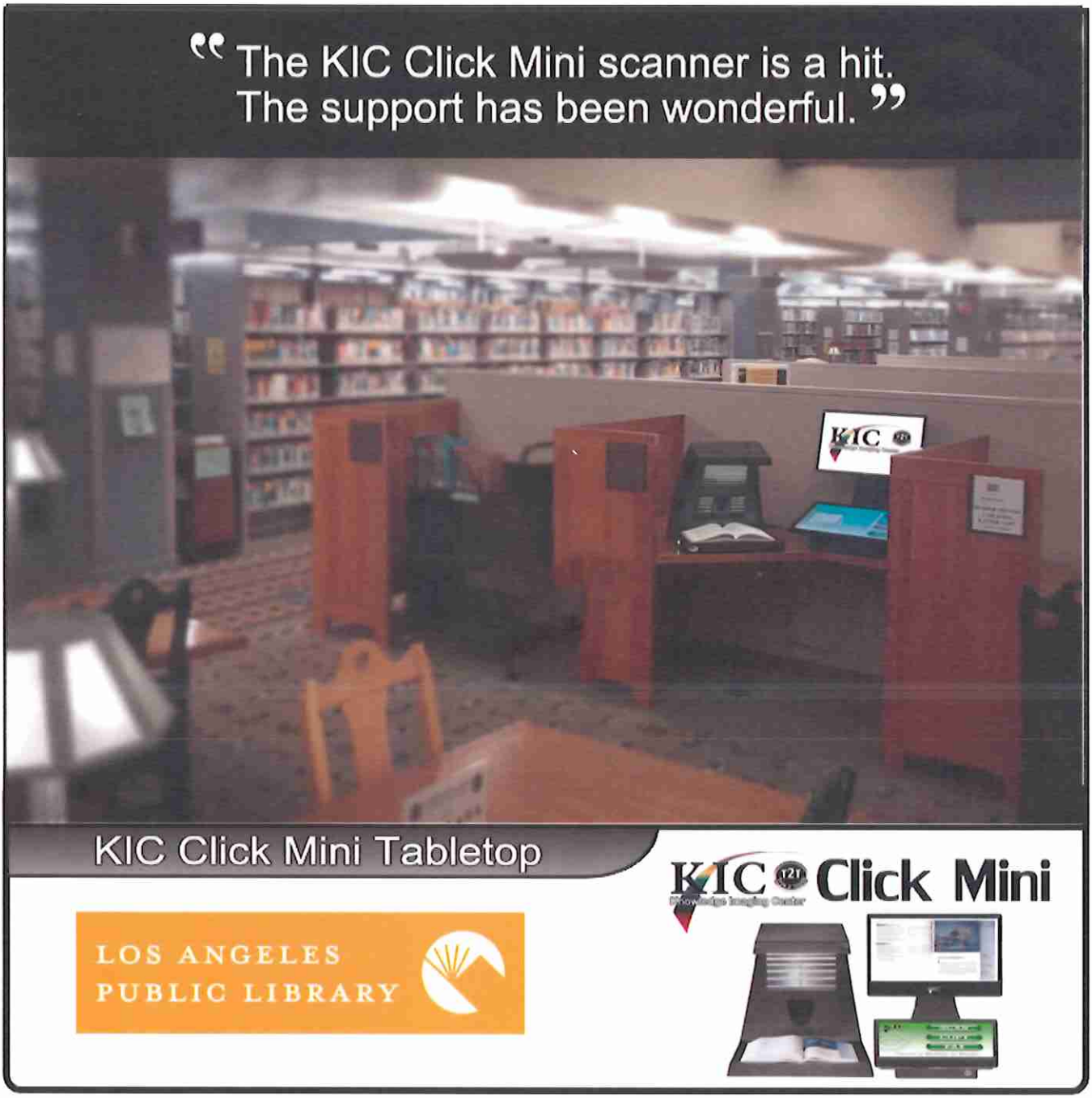
The Digital Age is Upon Us

For many years, academic libraries have been acquiring face up digitize-on-demand book scanning kiosks and digitization labs. What are public libraries doing to sustain relevance?

Many public libraries are slowly transforming into community centers. Some have added digital age technologies such as 3-D plastic printing 'maker spaces.' These technologies can bring in new patrons, but are unrelated to the traditional services of the public library. Some digital age technologies are well connected with the traditional services of the public library.

This booklet provides useful information on core hybrid library technologies that form a digital age library 'ecosystem' allowing public libraries to transition smoothly and cost-effectively into the digital age.

Customer Comments


"The KIC Click Mini scanner is a hit. The support has been wonderful."
KIC Click Mini Tabletop
LOS ANGELES PUBLIC LIBRARY
KIC Click Mini

Customer Comments

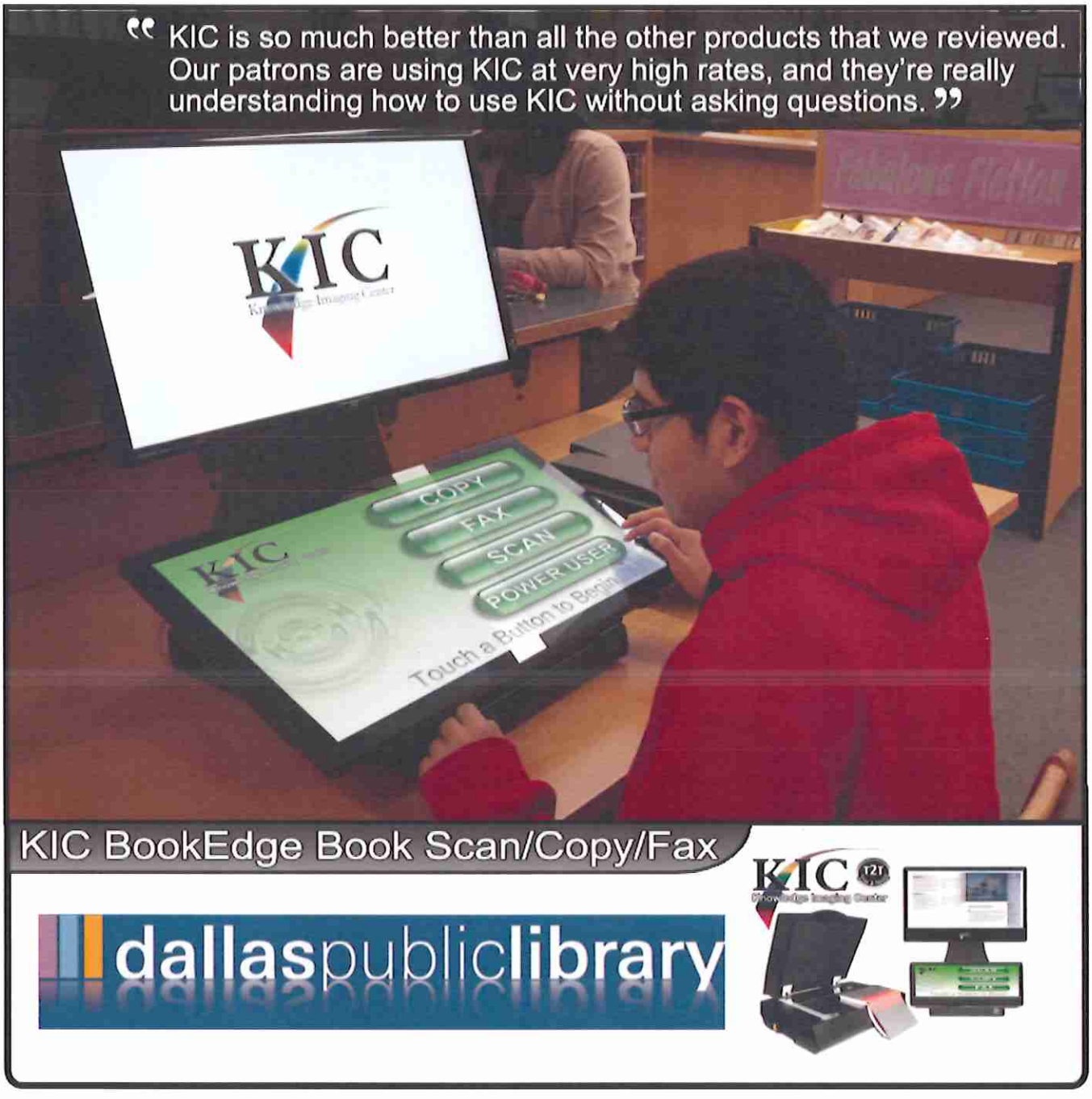
"Our KIC Click Mini ...a tremendous tool for students working on reports; the best part of all is this is available for no charge."

KIC Click Mini Self-Serve Kiosk

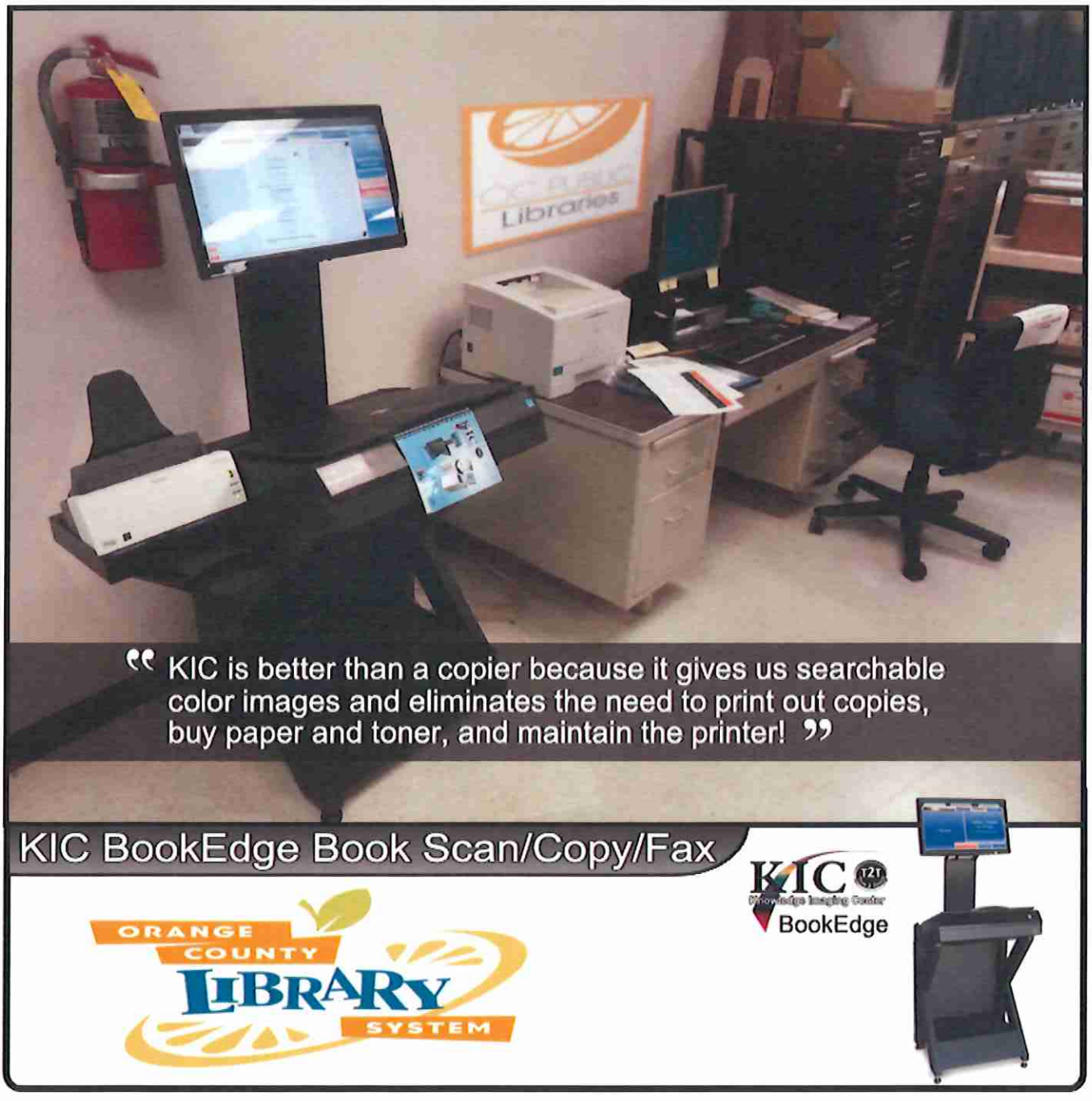
Marshall PUBLIC LIBRARY

KIC Click Mini

Customer Comments


“KIC is so much better than all the other products that we reviewed. Our patrons are using KIC at very high rates, and they’re really understanding how to use KIC without asking questions.”
KIC
COPY
FAX
SCAN
POWER USER
Touch a Button to Begin
KIC BookEdge Book Scan/Copy/Fax
dallaspubliclibrary
KIC

Customer Comments


Libraries
" KIC is better than a copier because it gives us searchable color images and eliminates the need to print out copies, buy paper and toner, and maintain the printer! "
KIC BookEdge Book Scan/Copy/Fax
ORANGE COUNTY LIBRARY SYSTEM
KIC
BookEdge

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KIC Builder P-3
OPUS Builder P-5

DLSG PRODUCT REFERENCE

KIC Knowledge Imaging Center R-1
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DLSG
Digital Library Systems Group

21st CENTURY HYBRID LIBRARY TECHNOLOGY

For Public Libraries in the Digital Age

Hybrid Library Ecosystem Technology Overview

The Complete Digital Age Library

The Building Blocks of the Library of the Digital Age

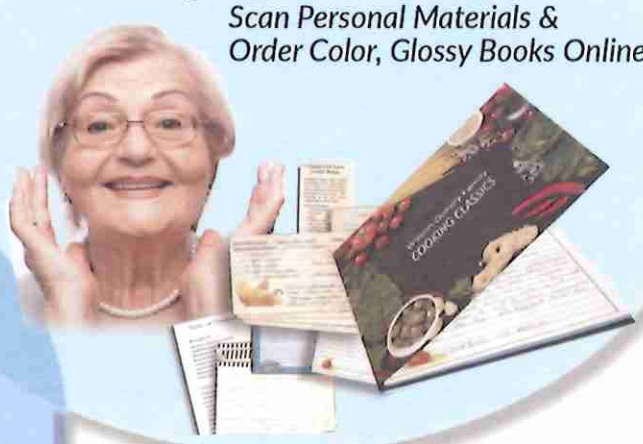
KIC
Knowledge Imaging Center

KIC Book Scanning Systems

Scan, Copy, Fax

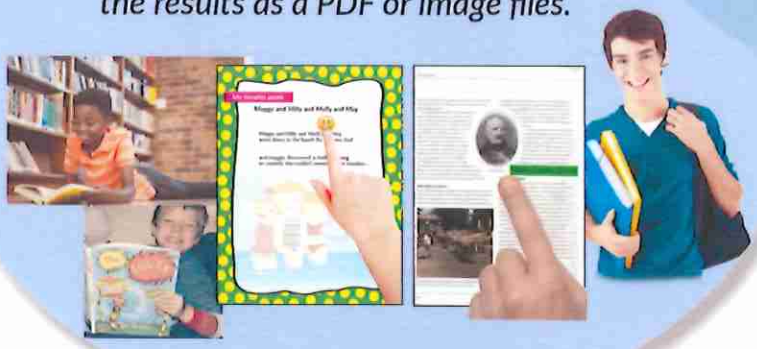
"Self-Publish" Family Photo Albums

Scan Personal Materials & Order Color, Glossy Books Online



KIC for Students & Children

Scan books, annotate, and email the results as a PDF or image files.

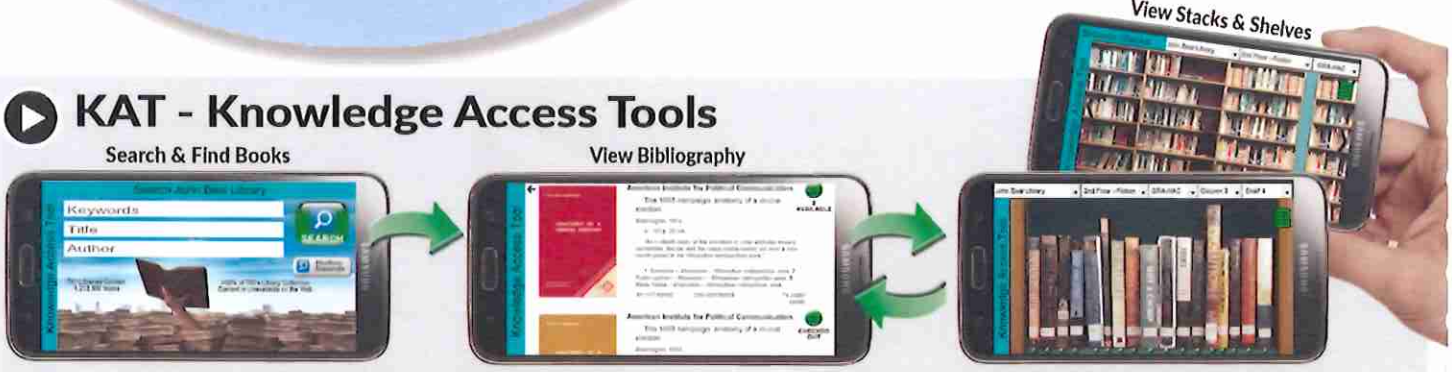


KAT - Knowledge Access Tools

Search & Find Books

View Bibliography

View Stacks & Shelves



Bibliographic Search from Any Browser

See Book's Physical Location from Any Browser

7 out of 10
Students at U.S. Universities are Served by Our Products

FREE TRIAL 30 DAY
FREE TRIAL
Try KIC Risk-Free for 30 Days

DLOS
Digital Library Operating System

DLOS MyDocs
Scan Personal Documents with KIC, Store on USB Drives, Manage with MyDOCs

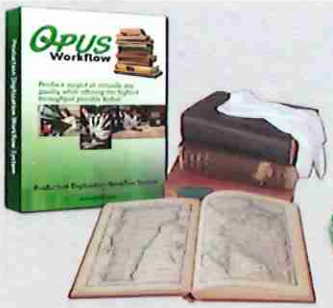
SAW
Simplified Access to the Web helps patrons find VA benefits, Medicaid/Medicare, Food Banks, Employment Assistance, etc.

DLOS My $5 PC
A Personal Computer Everyone Can Afford

DLOS
Digital Library Operating System

Virtually any $5 USB flash drive can be a private computer when used with DLOS My PC

SAW Commons
Librarians across America working together to help patrons in need find all of the information on the web that is commonly searched for.



Opus Preservation & Archive Software
Creating Long-Term Digital Assets & Archives

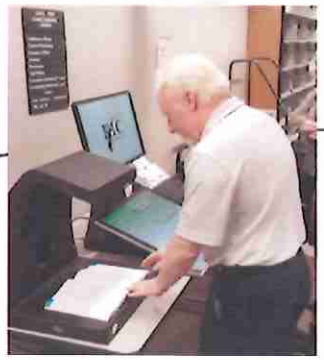
Self-Serve Scanning

Here are Some Things You Can Do with KIC...

KIC Knowledge Imaging Center

Use KIC Instead of a Photocopier/MFC

Patrons prefer face-up scanning.



Scan Class Handouts & Notes

Select PDF output and save to USB, to the Cloud, or directly to your smart device or send as email attachment.

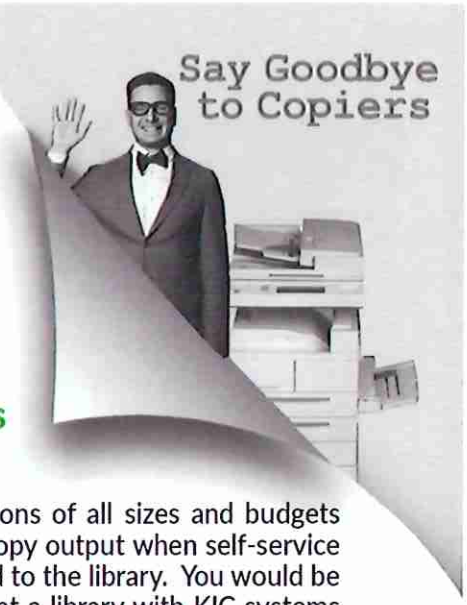
KIC Click Mini Tabletop Configuration
Face-Up Book Copier/Digitizer

Use KIC as a Study Tool

Quickly scan many pages to take anywhere and study, read, search, markup, and print at leisure.

Scan Large Maps, Drawings, Fabrics, Blueprints, Artwork, Posters, Oversized Books, and more.

Learn 6 Reasons Why Copiers Don't Belong in Libraries
Request Whitepaper at KIC.com



Say Goodbye to Copiers and Hello to KIC...

Directors at academic institutions of all sizes and budgets report a 90% drop in printed copy output when self-service book scanning kiosks are added to the library. You would be hardpressed to find a director at a library with KIC systems who doesn't feel strongly that KIC is a vast improvement over photo-copiers. Users overwhelmingly and consistently opt for Digital output instead of paper.

MFCs Only
MFCs + KICs
99% Printed Output in Libraries Without KIC
Add KIC Self-Serve Book Scanning Kiosks
90% Digital Output in Libraries with KIC

Adding KICs to Library Floors Increases Digital Output from 1% to 90%, Dramatically Reducing Wasteful & Expensive Paper Output.

If copier companies are still trying to convince you that their multi-function copiers (MFCs) meet the needs of your student, faculty & researchers, it's time to stop believing them.

Enhance Reports

Scan books and use whole pages or clip selected pictures, graphics, text, etc. Drag the desired images from USB drive, email, cloud, or smart device into a word-processing program, or save images to your desktop and use the "insert picture" function.

Add Annotations to Scanned Pages

Add text annotations, clipart emojis, and page frames to scanned images.

Scan Receipts for Expense Reports

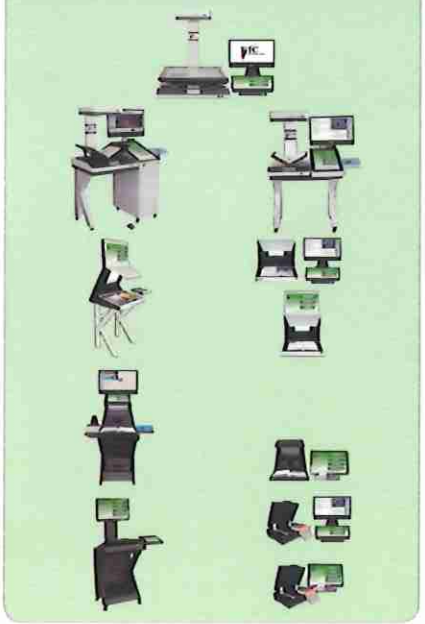
Scan sales receipts to go with your business expense reimbursements or to track your purchases. Scan and save as PDF, then email or fax from any KIC station in the library.

Scan, Copy, Fax Personal Family Documents

Library patrons bring loose paper from home to scan, fax and send via email or save to a USB device. A $5 USB thumb drive can store thousands of important documents.

Many students need a safe, reliable place to store and organize their important documents. Documents scanned at the library can be viewed with any low cost smart phone.

Copier Replacement is a $699 option, available on all KIC models.



POD Print Books On Demand

Using KIC's POD Function, Your Patrons Can Quickly and Easily Order Printed Books of the Materials They Scan and Edit

Printing books has never been easier! With KIC's new Print On Demand feature, patrons can quickly and easily order beautiful, printed books of photos, scrap books, recipe cards, book excerpts, loose papers, newspaper & magazine articles, research papers, and more.

Clip, crop, annotate, and rearrange pages. Then choose the kind of book, pages and quantity desired. Order original book(s) using KIC's simple "shop-online" interface to find the best value and pay with a credit card. Your books will be printed, packaged and shipped to you within days.

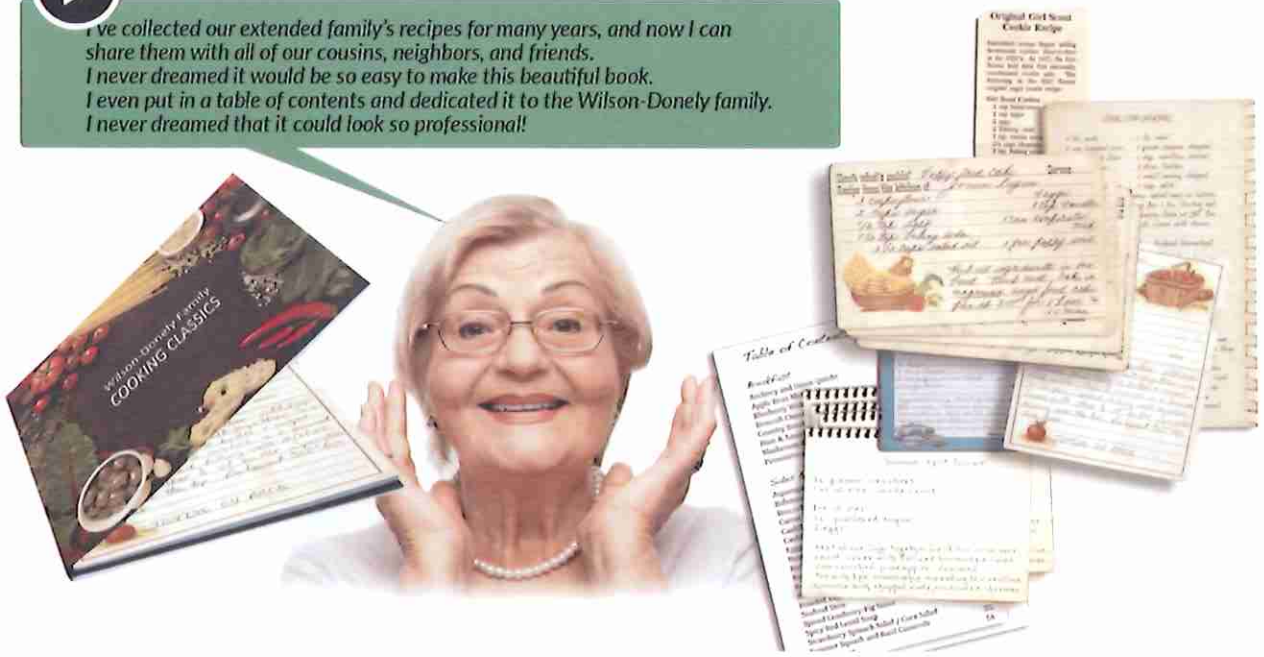
Print Beautiful Bound Copies of Your Thesis

KIC's POD (Print on Demand) feature is a self-serve alternative to the usual thesis printing/binding vendors, using existing KIC systems offered by the university library.

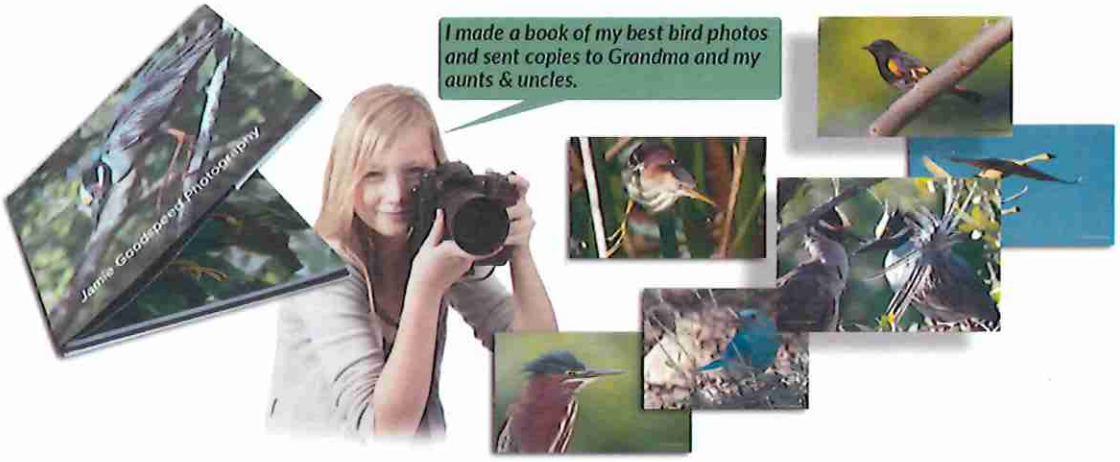
I can't believe how easy it was to order beautifully printed and bound copies of my thesis right from one of the KIC stations in the library!

Print an Unabridged Book of Family Recipes

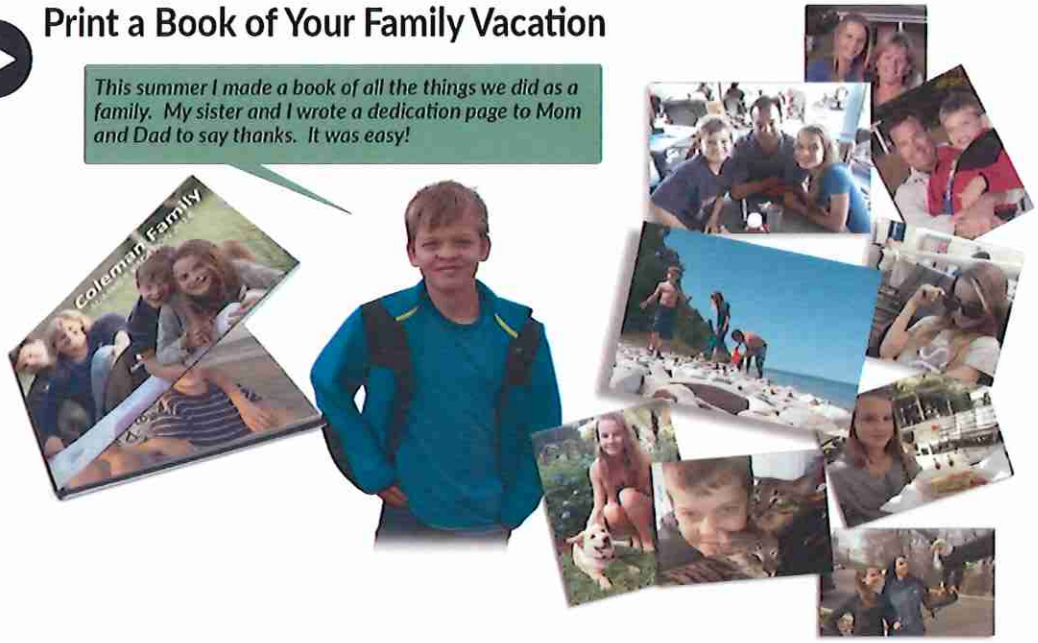
I've collected our extended family's recipes for many years, and now I can share them with all of our cousins, neighbors, and friends. I never dreamed it would be so easy to make this beautiful book. I even put in a table of contents and dedicated it to the Wilson-Donely family. I never dreamed that it could look so professional!



Make a Coffee Table Book of Photo Collections



Print a Book of Your Family Vacation


This summer I made a book of all the things we did as a family. My sister and I wrote a dedication page to Mom and Dad to say thanks. It was easy!
Coleman Family

Print a Photo Album of Old Family Photos

Scan your family photos on a KIC scan station and save them from fading and decaying. Annotate, clip, crop, add subtitles, dates, names, and comments to preserve your family history for future generations. It can all be done in a few hours at your public library with KIC's POD feature - Print on Demand!

Digital Library Operating System

DLOS SAW
Simplified Access to the Web

What is SAW?

DLOS (the Digital Library Operating System) includes Simplified Access to the Web, or **SAW.** SAW puts librarians in control, allowing them to set up simplified access to internet sites that provide services that meet the needs of their patrons.

A public librian is often keenly aware of the kinds of problems and needs their community is most interested in addressing when they come to their local library. It makes sense to put tools in the local librarian's hands that allow them to customize internet access screens to best serve their local community's needs.

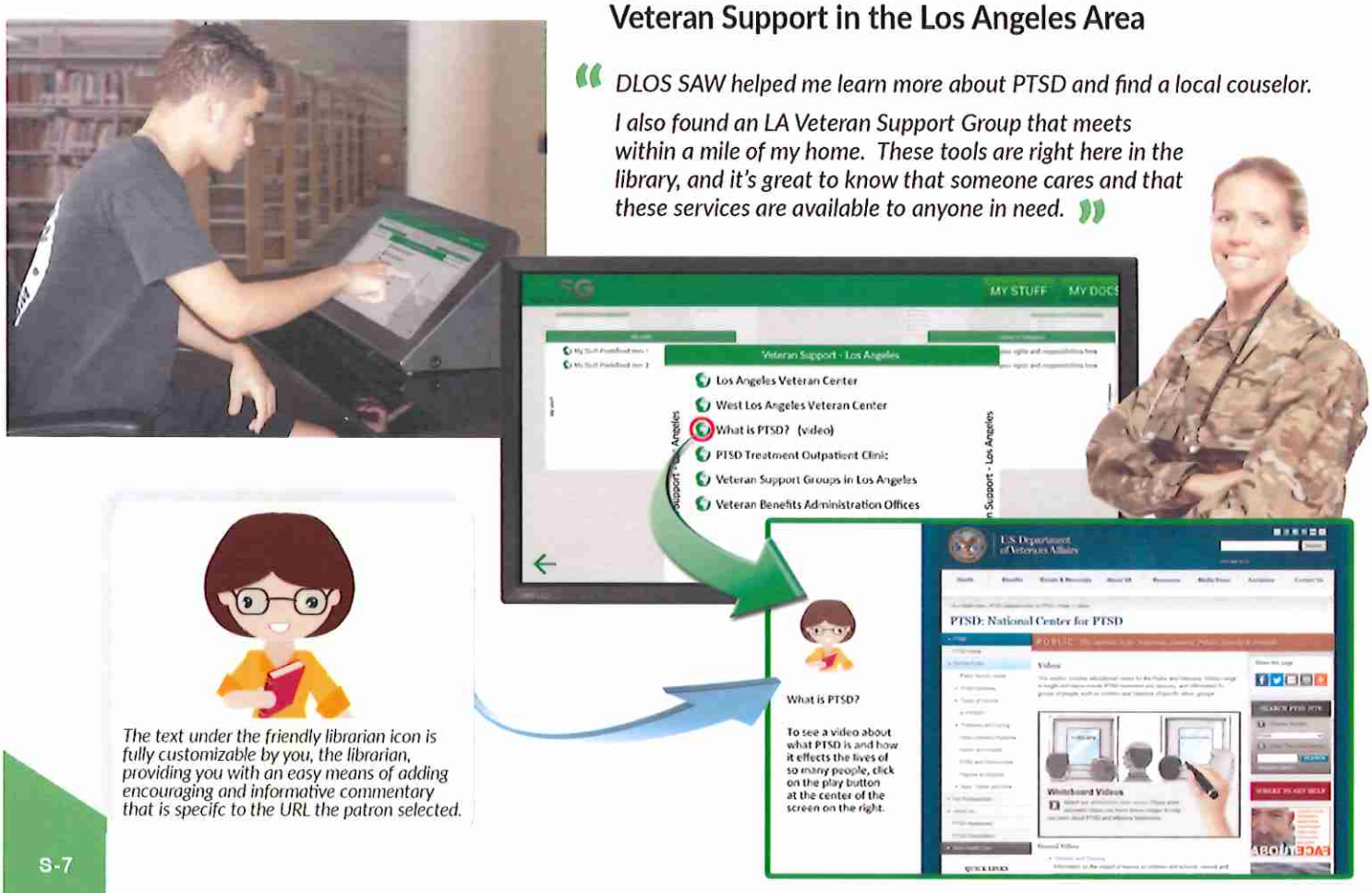
SAW makes it easy for librarians to design customized access to websites that they can group together under specified titles and even add "librarian assitance" comments to offer a convenient and productive experience for library patrons. Librarians can also choose to share their SAW configurations with other librarians using SAW Commons.

Choose All-in-One Touch Screen DLOS stations, or access DLOS from a standard PC.

Simplified Access to the Web Here are some examples of how patrons use SAW:

Veteran Support in the Los Angeles Area

"DLOS SAW helped me learn more about PTSD and find a local couselor. I also found an LA Veteran Support Group that meets within a mile of my home. These tools are right here in the library, and it's great to know that someone cares and that these services are available to anyone in need."


MY STUFF
MY DOCS
Veteran Support - Los Angeles
Los Angeles Veteran Center
West Los Angeles Veteran Center
What is PTSD? (video)
PTSD Treatment Outpatient Clinic
Veteran Support Groups in Los Angeles
Veteran Benefits Administration Offices
US Department of Veterans Affairs
PTSD: National Center for PTSD
What is PTSD?
To see a video about what PTSD is and how it effects the lives of so many people, click on the play button at the center of the screen on the right.
Whiteboard Videos

The text under the friendly librarian icon is fully customizable by you, the librarian, providing you with an easy means of adding encouraging and informative commentary that is specifc to the URL the patron selected.

Simplified Access to the Web

DLOS
Unemployment Help Center
How to write a Resume
Local Job Fairs
Jobs Assistance for the Elderly
Jobs Assistance for Disabled
Jobs Assistance for Veterans
Hoboken Job Listings
The Arc
Project HIRE
The Arc of New Jersey's Project HIRE assists adults with disabilities to integrated employment opportunities in their area.
Call Frank DeLucca for immediate assistance. Frank is a friend to our library, and his office is very close by. You can email him or call him any weekday between 9am and 5pm at
Phone: 732-346-0505 x22
Email fdelucca@arcnj.org

Employment Assistance in Hoboken, NJ

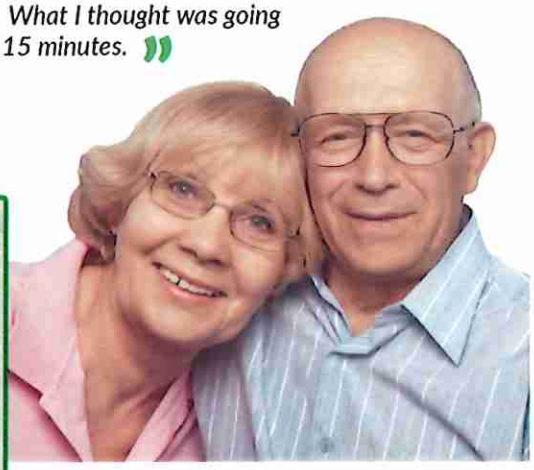
"I am dissabled, and when I was laid off from my cashiers job at a local supermarket last summer, I went to the library to find out about government assistance for living expenses while I looked for a new job. The librarian showed me to a DLOS station, and I was surprised not only by how many employment assistance and support programs where available right here in Hoboken, but at how easy DLOS makes it to learn about them."

Simplified Access to the Web

Medicare Application Assistance

"My husband and I are both 64, so I did a little research while I was at my local library. The DLOS application there made it easy for me to find out how simple it is to apply for Medicare Benefits. What I thought was going to take days took just about 15 minutes."

Social Security
Apply for Benefits
Apply Online for Retirement/Medicare Benefits
You can apply online for Medicare even if you are not ready to retire. Use our online application to sign up for Medicare. It takes less than 10 minutes. In most cases, once your application is submitted electronically, you're done.
There are no forms to sign and usually no documentation is required. Social Security will process your application and contact you if we need more information. Otherwise, you'll receive your Medicare card in the mail.
Click on the "Start a New Application" button on the page to the right.



Digital Library Operating System

SAW Commons

Simplified **A**ccess to the **W**eb

A Collaborative Tool for Librarians Across the Nation

What is SAW Commons?

SAW Commons is a powerful feature that leverages the collective knowledge and insights of librarians all over the nation. It is a colaborative space online where librarians post their SAW listings so that they can be shared with other librarians nationwide. SAW Commons is a feature that works with SAW, Simplified Access to the Web. Both the SAW and SAW Commons screens are show below.

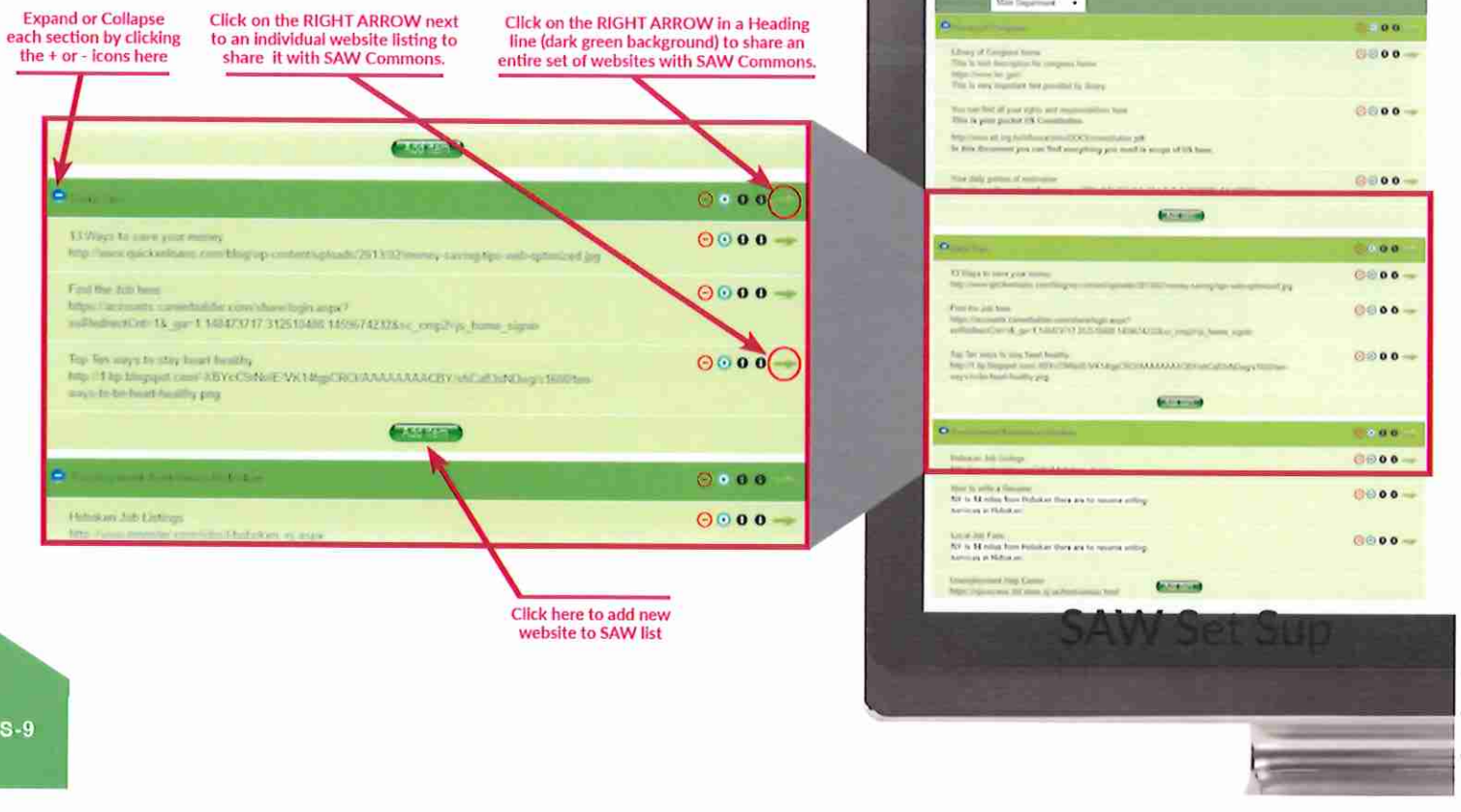
Anything listed in SAW (on the left side of the screen) can be copied or shared with SAW Commons (on the right side of the screen). Using this common space, librarians can work together to provide better, simpler and faster access to various service and educational information for their patrons and patrons for other libraries acrros the nation.

Librarians can choose to share their SAW website collections and commentary in part or completely by selecting some or all of their SAW websites and porting a copy to SAW Commons with a single touch. Share and unshare at will.

Your SAW librarian comments are included when you elect to port your SAW listing to SAW Commons!

Sharing Your SAW Listings is Easy! Here's How SAW Commons Works

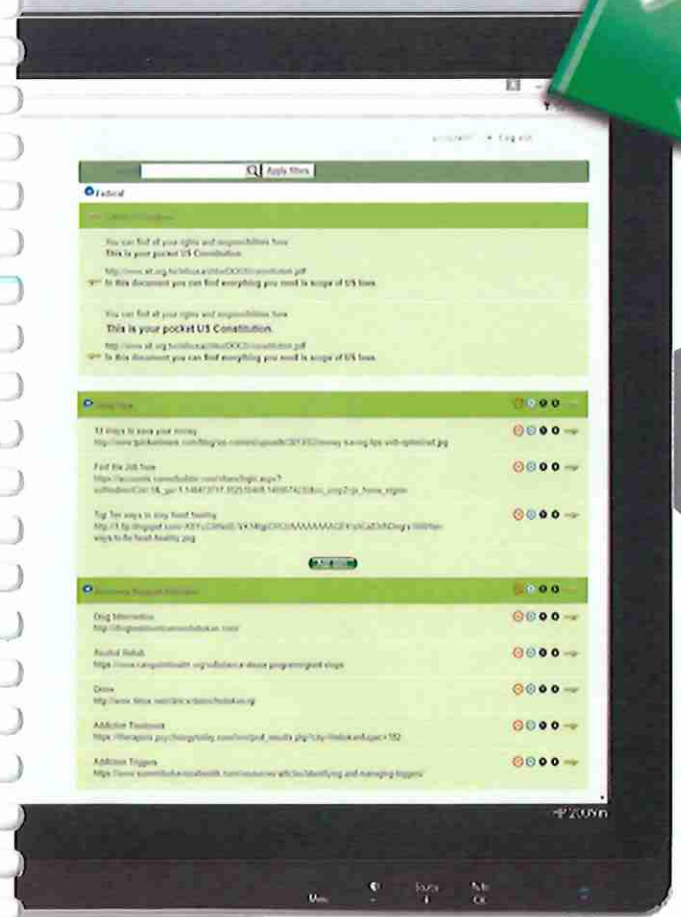
Select one or more listings and click on the green right-arrow icon. This will move a copy of your SAW listing to the SAW Commons area on the right side of the screen.


Expand or Collapse each section by clicking the + or - icons here
Click on the RIGHT ARROW next to an individual website listing to share it with SAW Commons.
Click on the RIGHT ARROW in a Heading line (dark green background) to share an entire set of websites with SAW Commons.
Click here to add new website to SAW list
SAW Set Sup

Librarians Across America Cooperating to Bring Better Service to Patrons

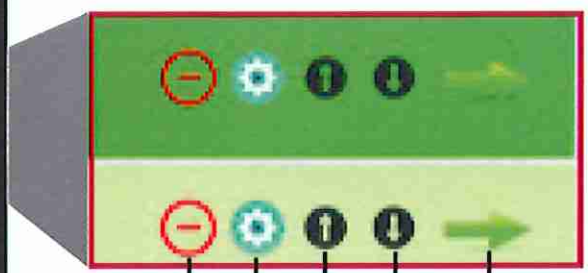
Librarians are frequently asked the same questions across America. Common questions like "Where can I find support services for veterans?", "Is there anything on the Web to help me file my taxes?" and "I'm retiring soon. Can I learn about Medicare on the Web?" are asked on a regular basis. Questions about federal services and information are also common to all American libraries. The same applies to states, counties, coastal areas, areas suffering from the same extreme weather, etc.

DLOS Simplified Access to the Web can answer these questions, and SAW Commons is an easy to use national database of Web sites and helpful hints that librarians across America can contribute to and draw from to create their own local SAW system to best serve their own local patrons.



Simplified Access to the Web

SAW Commons is part of the DLOS (Digital Library Operating Sytems) suite of products providing simplified internet access for public library patrons.



DLOS
Digital Library Operating System

Managing Scanned Images with MyDocs

A Simple and Affordable System to Create and Manage Important Personal Documents

DLOS

Digital Library Operating System

DLOS MyDocs

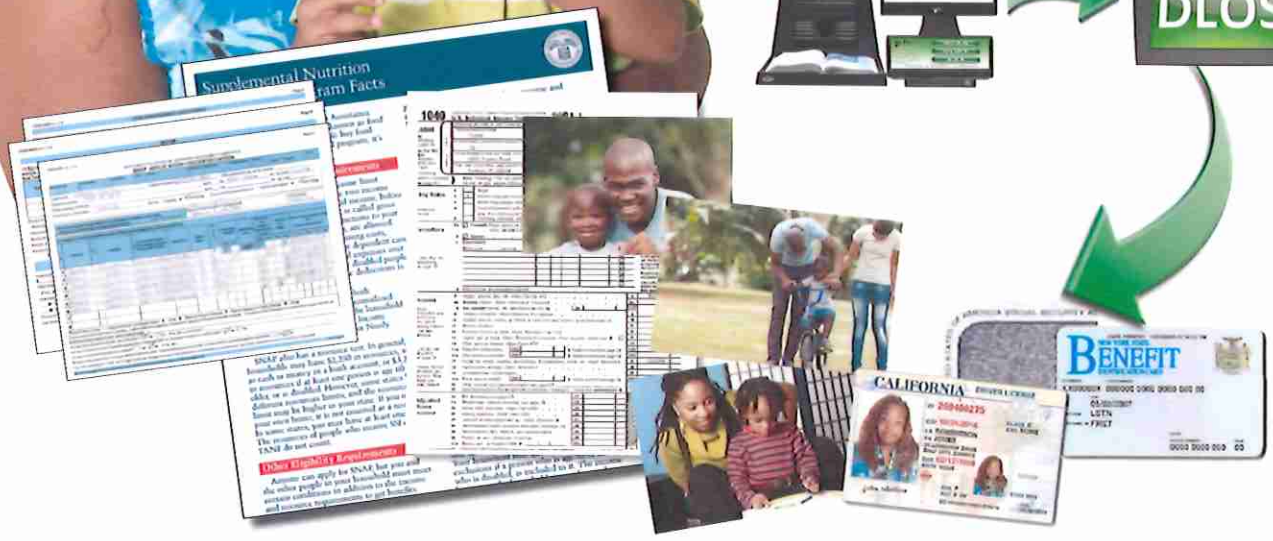
- ☑ Secure
- ☑ Accessible
- ☑ Easy to Use

Secure

I Feel Good Knowing That My Important Legal and Personal Documents are Safe and Completely In My Control

I took my important family documents, medical records, financial paperwork, and even my social security card and drivers license to my local library and used the KIC station there to scan everything to my DLOS MyDocs USB. Now I know it's all safe and easy for me to find anytime I need it.

I use MyDocs at the library to manage all of our family photos and everything that my son makes for me in preschool.



Accessible

My Personal Documents Are *At My Fingertips* !!

I misplaced my drivers license on the morning of a job interview! So I just stopped by the library, plugged MyDocs USB into the nearest PC, printed a copy and made it to the interview on time!

MyDocs is a real lifesaver!

DLOS

Digital Library Operating System

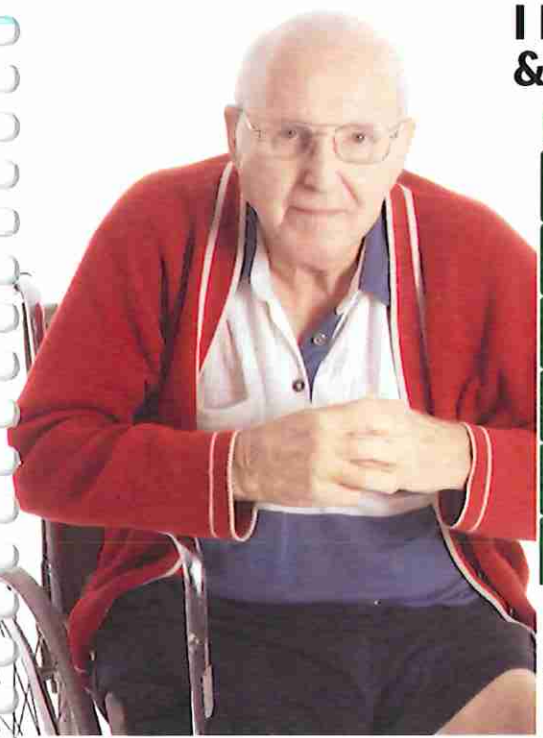
DLOS

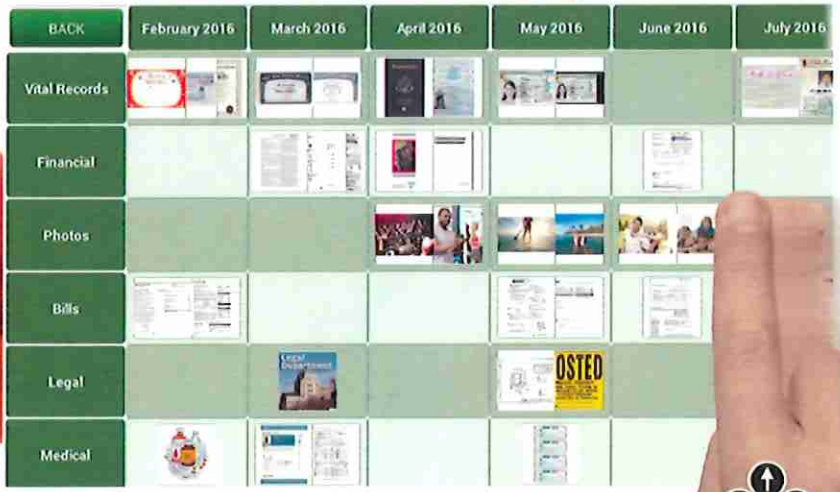
Digital Library Operating System

Easy to Use

I Can Find My Documents Visually

I Don't Have to Know Much About Computers & I Don't Need Anyone's Help to Use MyPC





Swipe up/down and left/right to move through thousands of pages of your personal documents and find any document faster than ever before.

$5 PC on a Stick

With a USB Flash Drive to Hold All Personal Information, Including Web Browser Cookies, Personal Documents & Photos, a Single DLOS Station Can Serve as the Private PC for Hundreds of Library Patrons

DLOS

Digital Library Operating System

MyPC for Just $5

- Affordable
- Secure
- Accessible
- Easy to Use

USB Flash Drive = MyPC

"Our library's DLOS stations are great, and with a USB flash drive, any DLOS station becomes my own PC."

- Helps me find important information on the Web
- Helps me organize my documents, photos, and my budget
- Gives budget tips and actually helps me reach my spending and savings goals
- Remembers my browsing cookies
- Works great with KIC Scan/Print/Fax stations

My USB PC

I never really thought about having my own PC because it was never in my budget, but now I can't see doing without one.

I didn't know much about computers, but when my local library let me know that all I needed was a USB memory stick, that got me interested in finding out what I could do with one. Now all my important documents are on my keychain, and any time I need them, I just go to the library.

DLOS

Digital Library Operating System

DLOS

Digital Library Operating System

My Own PC for $5 !

I insert my USB thumb drive and BAM!
- any library PC becomes MY PC!!

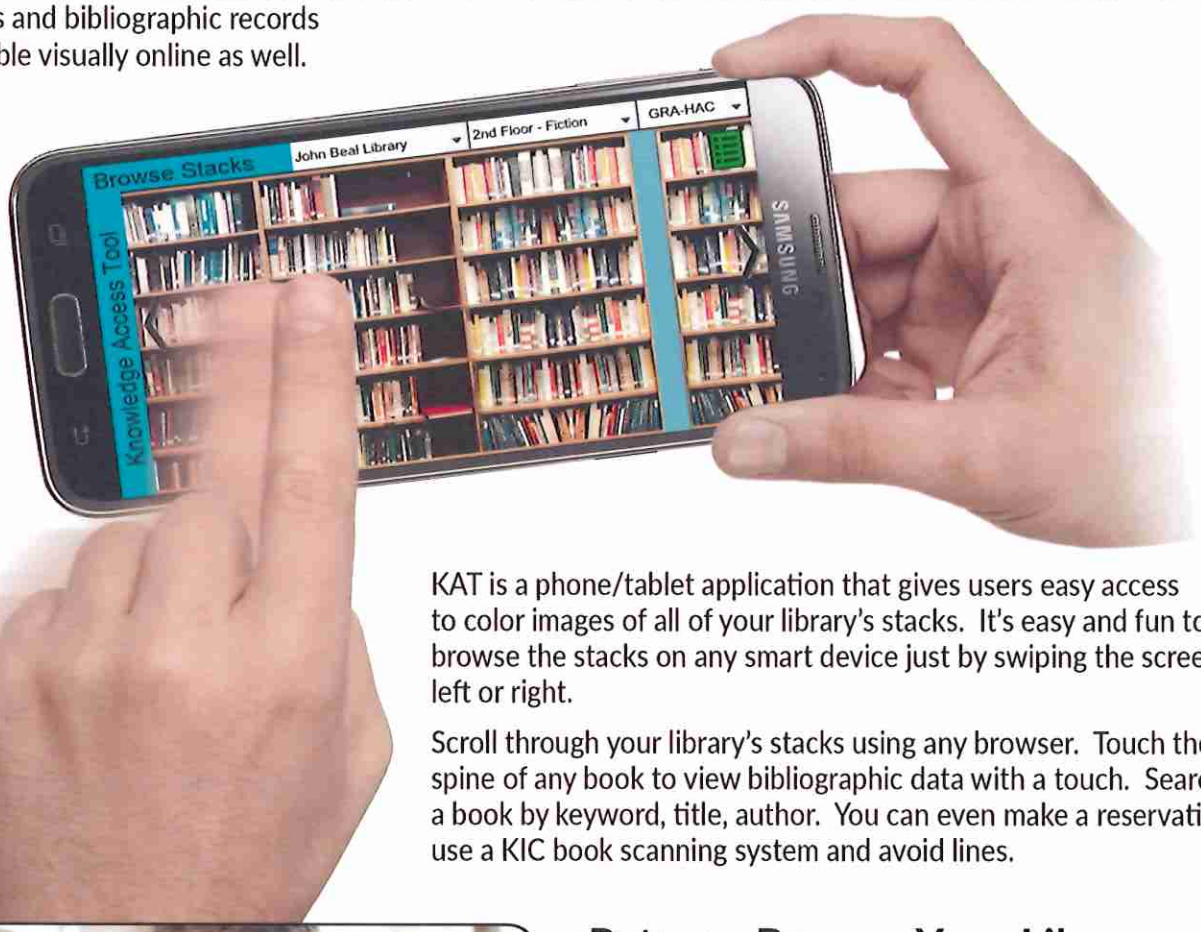
Our local librarian showed me how to save the tax forms for my business and my insurance paperwork so I can get it anytime I need to.

I'm using the budgeting tools on the PCs at the library to set a personal budget goal to help pay for my grandson's college. I'm also going to show my grandson how to use DLOS and KIC when he gets a little older.

KAT Stacks View

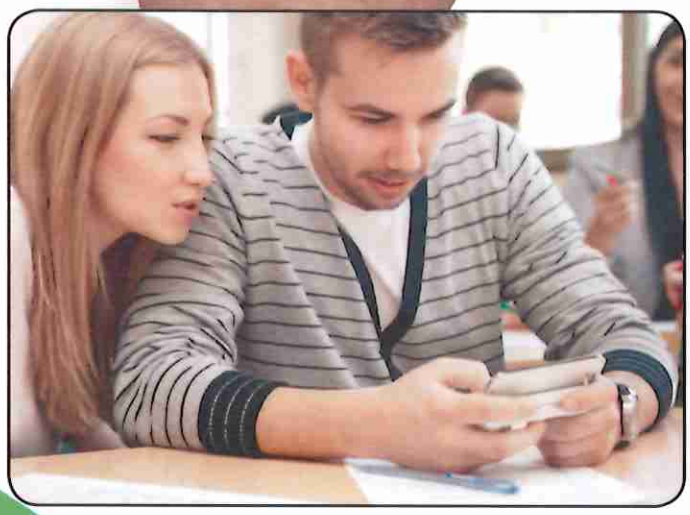
The Best Way to Promote the Stacks to Students

For a dozen years, the shrinking appreciation of the substantial value in their local library's print collections has been a problem that no one wants to talk about. Just as restaurants publish images of their dining areas and their menu items online, with the introduction of KIC Stacks View, libraries can now make images of their stacks and bibliographic records available visually online as well.



KAT is a phone/tablet application that gives users easy access to color images of all of your library's stacks. It's easy and fun to browse the stacks on any smart device just by swiping the screen left or right.

Scroll through your library's stacks using any browser. Touch the spine of any book to view bibliographic data with a touch. Search for a book by keyword, title, author. You can even make a reservation to use a KIC book scanning system and avoid lines.



Patrons Browse Your Library ....Virtually

Just about every PC, tablet and smart phone provides access to Google, Wikipedia, etc. Your stacks should be just as accessible!

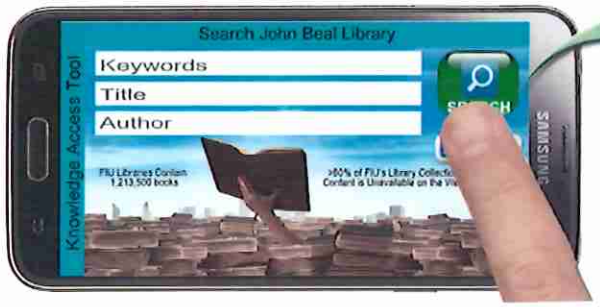
Local High School Teachers Can Create a Recommended Reading List

Gary Patterson
US History Teacher

Faculty selects volumes and KAT does the rest.

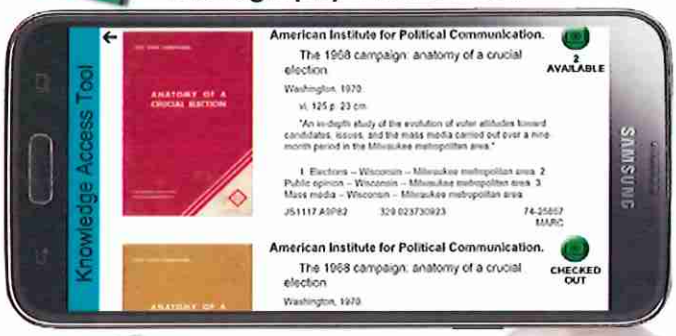
Find a Book by Keyword, Title or Author, then Touch to View Bibliographic Information

Search Screen



Use KAT's Library Search screen to find a book by keyword, title or author, then touch to view bibliographic information for any book in the search results.

Bibliography View Screen


Knowledge Access Tool
American Institute for Political Communication.
The 1968 campaign: anatomy of a crucial election
2 AVAILABLE
American Institute for Political Communication.
The 1968 campaign: anatomy of a crucial election
CHECKED OUT
SAMSUNG

Shelf View Screen

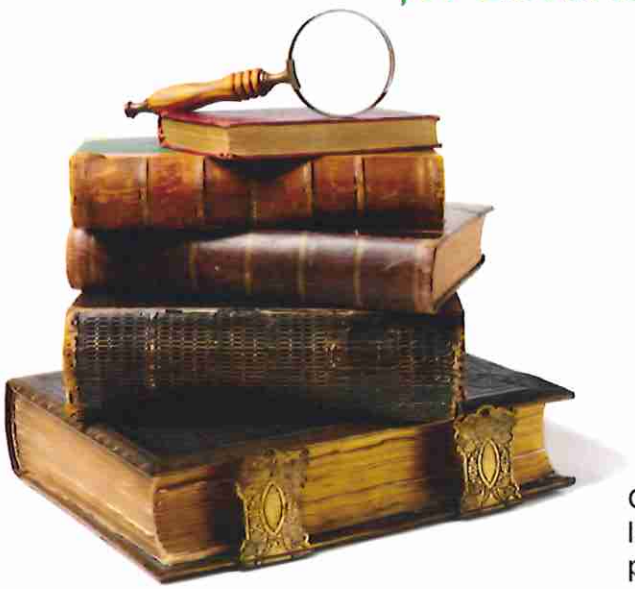
Your Library's Greatest Assets are Finally in the Spotlight in the Digital World that Students Turn to Reflexively

You can Also Search a Bibliograhic Database from any KIC System

KIC systems can also be configured with KAT, so even students who don't have a smart phone or tablet can search your stacks from any KIC system your library owns.

Opus Workflow & Opus FreeFlow

Production Digitization Workflow Software for Libraries, Museums and Archives



- ☑ Superior Image Treatment - Designed for Projects and Archival
- ☑ Fully-Integrated Hierarchical Metadata Capture
- ☑ Next Generation Workflow with Automatic Archive
- ☑ Open RAID Digital Archiving & Migration Management Software
- ☑ Customizable Output Formats Including WEB with 3D Page-Turning
- ☑ Enlightened Architecture
- ☑ Supported by Experienced Digital Experts
- ☑ Creates Large Quantity of Derivatives Unattended (overnight)

OPUS makes complete digitization labs surprisingly affordable by leveraging its workflow magic with the new low prices and high-performance of the latest book scanning hardware.

The digital archives that Opus creates can be accessed without proprietary software. Using its Compose Collection and Create Collection capabilities, Opus can create an unlimited number of digital collections in nearly unlimited formats (derivatives) any time in the future. Simply select the desired volumes and data formats and let Opus create your collection(s) unattended overnight.

Opus' automated data migration facility makes it easy to transfer multiple copies of your digital archive to new media every three to five years, ensuring that no data is ever lost. In addition, during data migration, Opus will automatically convert from outdated data formats to any new standards that might emerge in the future.

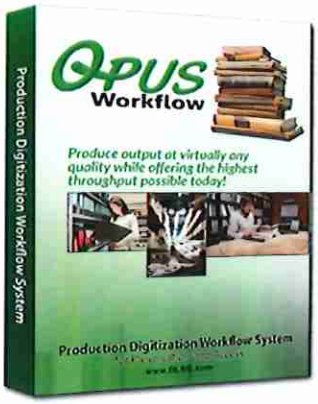
Opus Digitization Workflow System

A Complete Turnkey System Built for Non-Technologists

Define	Scan	Raw Archive	Auto IT	Manual IT	Treated Image Archive
The Define stage locks object-level metadata to each volume prior to scanning via a barcoded tracking sheet that is kept with the volume. The scan operator simply scans the tracking sheet, then the volume. Metadata templates can also be selected in this stage.	The Scan stage supports virtually every type of scanner at the highest quality possible, including ultra-large scanners that produce ultra-large, multi-gigabyte images.	The first Opus Archive stage automatically archives raw, unmodified images prior to any image treatment. Image treatment can be performed at any time in the future with different parameters and new algorithms.	The Automatic Image treatment stage can determine book skew, create consistent margins, eliminate book curve, fan and gutter, and smooth backgrounds. Opus Image treatment functions are not limited by file size.	The Manual Image treatment stage provides for careful, quick review of each image for scan quality and auto-image treatment results. Bad scans are flagged for rescan, and image treatment problems are corrected with its very easy, efficient graphical interface.	The second Opus Archive stage automatically archives images treated by the prior two stages. Multiple versions of treated images can be maintained.
PROJECT MANAGER	WORKER	AUTOMATED	AUTOMATED	WORKER	AUTOMATED

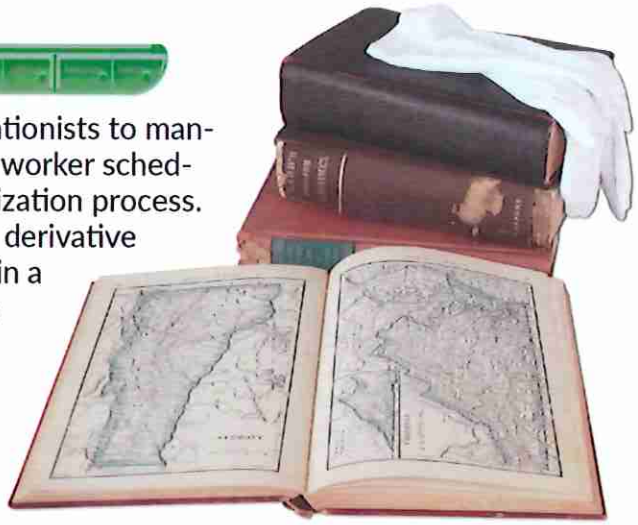
DLSG

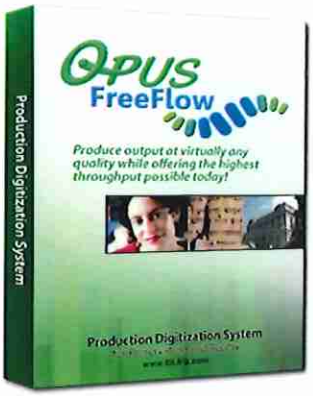
Opus Workflow and Opus FreeFlow eliminate unnecessary complexity with paint-by-numbers digitization systems that produce the highest quality digital collections possible at less than 1/3 historic startup and operating costs. In as little as one day, our expert installation and training staff will leave you with a fully operational digitization system. Follow-up training sessions via the Web ensure that your staff is producing multiple beautiful digital books per day in no time, complete with hierarchical metadata.


OPUS
Workflow
Produce output at virtually any quality while offering the highest throughput possible today!
Production Digitization Workflow System
Production Digitization Workflow System

OPUS Workflow

Opus Workflow allows preservationists to manage and monitor all objects and worker schedules throughout the entire digitization process. Scanning, image treatment, and derivative creation are completed, all within a structured project management environment.

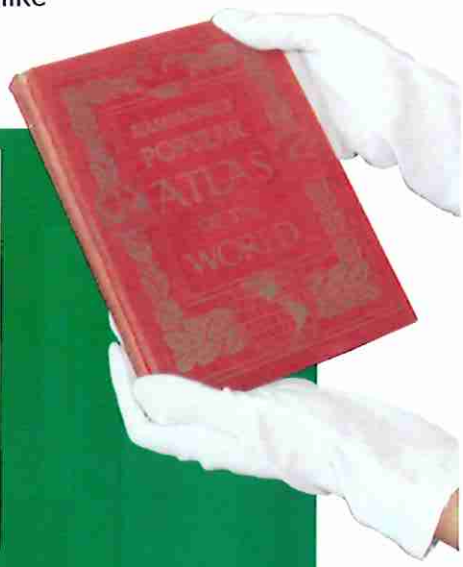



OPUS
FreeFlow
Produce output at virtually any quality while offering the highest throughput possible today!
Production Digitization System
Production Digitization System

OPUS FreeFlow

SCAN | IMAGE TREATMENT | METADATA | EXPORT

Opus FreeFlow provides the scanning, image treatment and derivative creation capabilities of the full Opus Workflow digitization system outside of the structured project management environment. Unlike Opus Workflow, Opus FreeFlow doesn't perform automatic archiving or manage workflow.



Auto Metadata Capture

The Automatic Metadata Capture stage captures metadata that was specified in the metadata template, stores it in a non-proprietary XML format and passes it to the Manual Metadata Entry stage.

AUTOMATED

Manual Metadata Entry

This stage provides an intuitive hierarchical graphical interface for entering the metadata specified in the object's template, from object level to page and sub-page level, with an unlimited number of elements at each hierarchical level.

METADATA WORKER

Metadata Archive

The third and final Opus Archive stage automatically archives the captured and keyed metadata in a non-proprietary format. Whenever objects are output by the Compose and Create stages, the metadata is transformed to the desired output format.

AUTOMATED

Compose

The Compose stage allows unlimited numbers of digital collections to be exported repeatedly with different image and metadata specifications. Each digital collection can include any number of objects from the archive. Format, size, clarity and metadata can vary widely.

PROJECT MANAGER/ WORKER

Auto-MD | Man-MD | Archive | Compose | Create

PRICE INFORMATION

KIC *Price Sheet*

Starting at Less Than

$6,000 *Before Public Library Discount*

Complete KIC Click Mini Scan Stations

Call Today for Your Library Discount Code
561-886-2999

- ☑ Digital Age Library Solutions
- ☑ Sleek, Modern Design
- ☑ Self-Service Scan, Copy, Fax
- ☑ Book-Friendly Face-up Scanning
- ☑ Searchable PDF Output

... and SO much more!

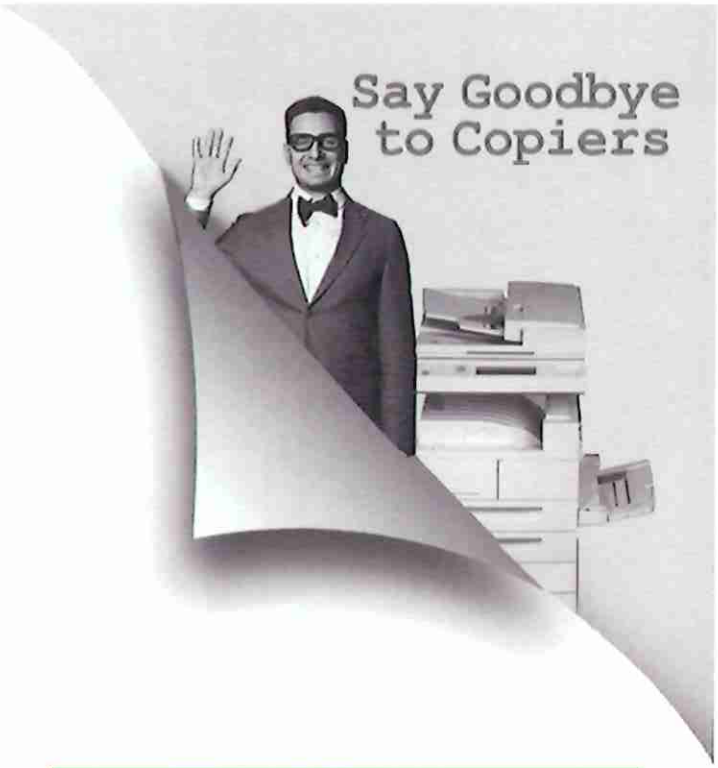
1

KIC Click Mini Tabletop Configuration

DLSG

2

KIC Click Mini
Floor-Standing Configuration



For Institutionally Discounted Pricing
on these and other KIC configurations,

Call 561-886-2999
for a Discount Code and Visit
www.KIC.com/KICBuilder

How to Use KIC Builder

...Visit KIC.com and Click on How to Order Step by step

See all available KIC configurations and pricing when you use KIC Builder on our www.KIC.com website. Just Click on How to Order on the menu at the top of the KIC.com homepage and select KIC Builder and follow the steps below.

Build a KIC and Get a Price

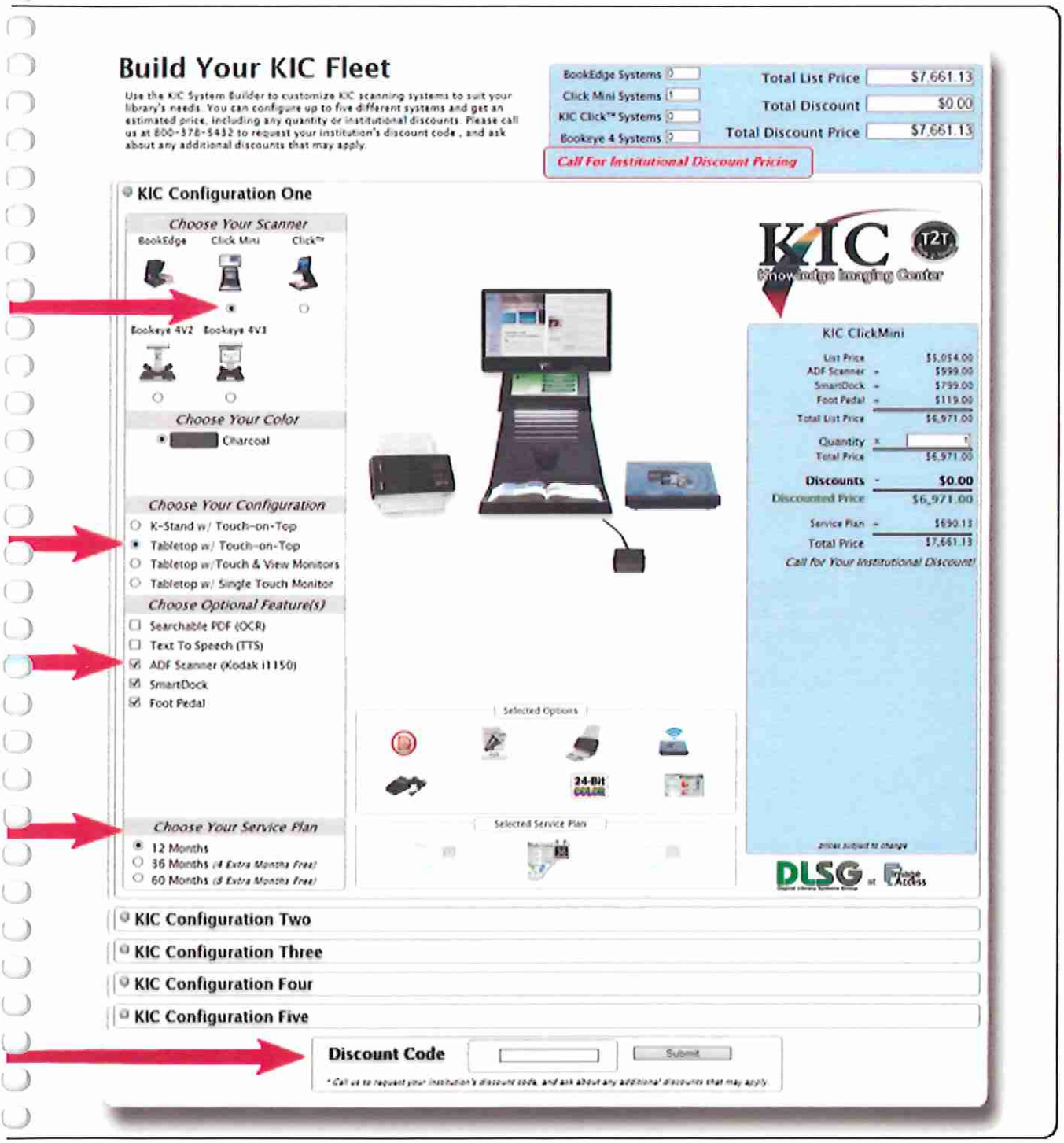
Use KIC Builder online to select models, choose options and build your KIC fleet. KIC Builder is fun and easy to use, and it's a great place to get answers.

1. Select Scanner Component
2. Choose Configuration
3. Add Options
4. Select Maintenance Plan
5. Enter Nonprofit Institution Discount Code Here

Call 561-886-2999 for Nonprofit Discount Code

KIC Builder lets you configure up to five different KIC models with any quantity for each model. You'll see quantity discounts automatically apply, and we encourage you to contact us for your institutional discount code for even lower prices. Once you've configured your KIC system(s), scroll down to see:

- ☑ **a comprehensive feature analysis**
- ☑ **detailed 5-year cost analysis comparisons of your KIC selections - vs - photocopier solutions**
- ☑ **all related product brochures, specifications, and maintenance information**


Build Your KIC Fleet
Use the KIC System Builder to customize KIC scanning systems to suit your library's needs. You can configure up to five different systems and get an estimated price, including any quantity or institutional discounts. Please call us at 800-378-5432 to request your institution's discount code , and ask about any additional discounts that may apply.
BookEdge Systems
Click Mini Systems
KIC Click™ Systems
Bookeye 4 Systems
Total List Price $7,661.13
Total Discount $0.00
Total Discount Price $7,661.13
Call For Institutional Discount Pricing
KIC Configuration One
Choose Your Scanner
BookEdge
Click Mini
Click™
Bookeye 4V2
Bookeye 4V3
Choose Your Color
Charcoal
Choose Your Configuration
K-Stand w/ Touch-on-Top
Tabletop w/ Touch-on-Top
Tabletop w/Touch & View Monitors
Tabletop w/ Single Touch Monitor
Choose Optional Feature(s)
Searchable PDF (OCR)
Text To Speech (TTS)
ADF Scanner (Kodak i1150)
SmartDock
Foot Pedal
Choose Your Service Plan
12 Months
36 Months (4 Extra Months Free)
60 Months (8 Extra Months Free)
KIC Knowledge Imaging Center
T2T
KIC ClickMini
List Price $5,054.00
ADF Scanner + $999.00
SmartDock + $799.00
Foot Pedal + $119.00
Total List Price $6,971.00
Quantity x 1
Total Price $6,971.00
Discounts - $0.00
Discounted Price $6,971.00
Service Plan + $690.13
Total Price $7,661.13
Call for Your Institutional Discount!
Selected Options
24-Bit COLOR
Selected Service Plan
prices subject to change
DLSG
Image Access
KIC Configuration Two
KIC Configuration Three
KIC Configuration Four
KIC Configuration Five
Discount Code
Submit
* Call us to request your institution's discount code, and ask about any additional discounts that may apply.

How to Use Opus Builder

...Visit KIC.com and Click on How to Order Step by Step

See all available Opus Workflow and Opus FreeFlow configurations and pricing when you use Opus Builder on our www.KIC.com or www.DLSG.com websites. Just Click on How to Order on the menu at the top of the homepage, select Opus Builder and follow the steps below.

Build Your Opus System

Use the online Opus Builder to customize scanning systems to meet your library's needs. Instantly get pricing, including quantity and institutional discounts. Please call us at 561-886-2999 to request your institution's discount code, and ask about any additional discounts that may apply.

1 Enter System/Project Requirements

2 Adjust Sliders as Desired

Adjust the Variety of Materials to Handle
Adjust for Budget
Adjust Daily Capacity

3 Directly Adjust System Configuration as Desired

4 Enter Nonprofit Institution Discount Code Here

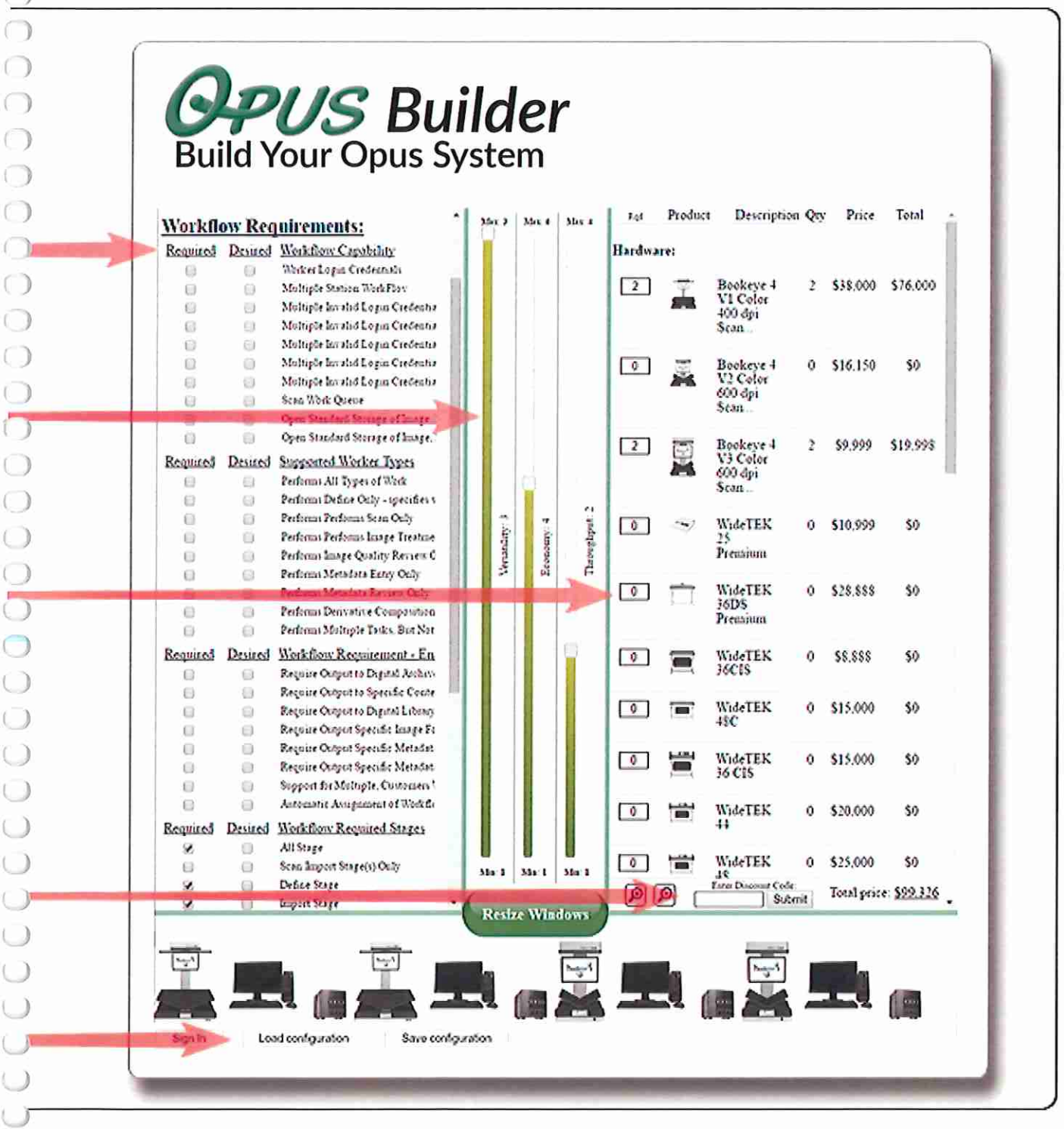
Call 561-886-2999 for Nonprofit Discount Code

5 Review Resulting System Configuration and Save Configuration & Create PDF/Printed Proposal

OPUS Workflow

OPUS FreeFlow

In Opus Builder quantity discounts automatically apply, and we encourage you to contact us for your institutional discount code for even lower prices. Once you've configured your system(s), scroll down to see all related product brochures, specifications, and maintenance information.



DLSG
Digital Library Systems Group

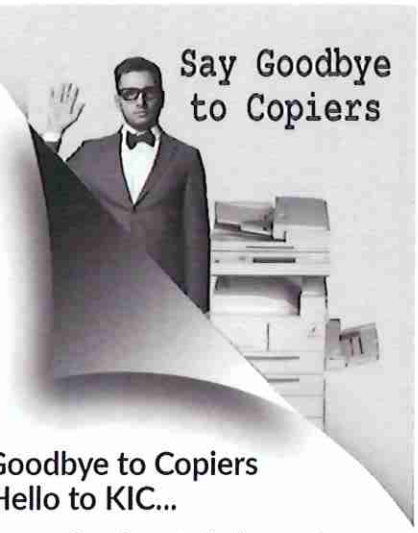
21st CENTURY HYBRID LIBRARY TECHNOLOGY
For Public Libraries in the Digital Age

Hybrid Library Technology Reference Section

KIC
Knowledge Imaging Center

Self-Serve Book Scanning Stations

CAPTURE, COPY, FAX & COLLATE BOOK CONTENT



Study, Report, Research, Collaborate...Digitally

KIC book scanning kiosks make your entire library's print collection available in searchable, digital format typically for less than 1% of your library budget. Scan hundreds of selected pages from a dozen books and search across all pages. That's library research done the digital way!

KIC is an indispensable tool for research, study and production of enhanced quality reports and papers with crystal clear color and black & white excerpts from books and journals, even oversized materials. In addition to being 3 to 6 times faster than photocopiers, a $699 copier-replacement KIC option obviates the need for conventional photocopy/MFC machines. Excerpts from a printed volume can be digitized thousands of times with no additional payments to publishers.

With 8 scanner models in both tabletop and floor standing configurations, bed sizes ranging from 24x35 inches to 12x17 inches, and speeds of up to 38 book pages per minute, some with maximum preservation quality, there are KICs for every budget and every need. All KIC systems are compatible with standard PC printers from HP, Epson, etc. In addition, a very affordable, high quality 40 image per minute sheet feed (ADF) scanner can be added to any KIC system.

KICs are ruggedly built for high-volume use and designed specifically for gentle treatment of books. KIC's searchable PDF output files can be sent to email, USB drive, Cloud, and/or sent wirelessly to smart devices. It's no wonder that DLSG's products are now accessible to 70% of students at U.S. universities. Big cities like Dallas and Los Angeles have switched to KIC. Even small towns like Beaver Lodge in Alberta, Canada are embracing KIC and the digital age.

DLSG
Digital Library Systems Group
www.DLSG.com

Say Goodbye to Copiers and Hello to KIC...

Directors at libraries of all sizes and budgets report a 90% drop in printed copy output when self-service book scanning kiosks are added to the library. You would be hardpressed to find a director at a library with KIC systems who doesn't feel strongly that KIC is a vast improvement over photocopiers. Users overwhelmingly and consistently opt for Digital output instead of paper.

Adding KICs to Library Floors Increases Digital Output from 1% to 90%, Dramatically Reducing Wasteful & Expensive Paper Output.

If copier companies are still trying to convince you that their multi-function copiers (MFCs) meet the needs of your patrons in this digital age, then it's time to stop believing them.

Copier Replacement is a $699 option, available on all KIC models.

KIC Scan, Copy, Fax ...

Book Scanning

No one likes tedious work and slow machines. DLSG offers the fastest book scanners on the market. Patrons at public libraries appreciate simplicity, and KIC provides three of the simplest possible user interfaces, one exclusively for scanning, one exclusively for copying and one exclusively for faxing. And KIC's best-of-breed power user interface is only a touch away.

Copier Replacement

While multifunction copiers are partly digital, they are big mechanical machines with big maintenance issues and very small touch screens. As a copier replacement, KIC eliminates copier failure/service problems and provides very large touch screens and separate view screens. Organizing (collating, clipping, rotating, etc.) pages on a huge touch screen is much easier than shuffling paper.

The digital age has steadily driven down the demand in libraries for paper copies to levels that make it increasingly difficult to justify copiers. KIC self-service scanning systems breathe new life into your print collections while further reducing copier use — to the point that attaching a small laser or ink jet printer is sufficient. KIC systems also handle much larger materials than copiers, and they scan books without damaging their spines. However, the most compelling benefit of KIC over copiers is KIC's speed, due mainly to its face-up scanning design, which is not only about three times faster than copiers, but far easier to use.

Self-Serve Fax

KIC's huge touch screen and separate view screen make faxing extra easy. Users can compose, review, clip, crop and change brightness and contrast of the pages of a fax before sending them. KIC's step-by-step process is designed for easy operation by even the most timid users. All you need is an internet connection, and DLSG will provide the rest at a cost so low that fax revenue can pay for the KIC system in several years.

An Essential Research Tool for Students & Everyone

KIC Makes Your Print Collections Searchable

Search hundreds of pages of PDF or text files created in just minutes using KIC

Users need only locate the volume(s) that they expect to contain the information they are seeking, scan selected sections and output either a searchable PDF file or a text file. These files can easily be searched for a long list of keywords of interest.

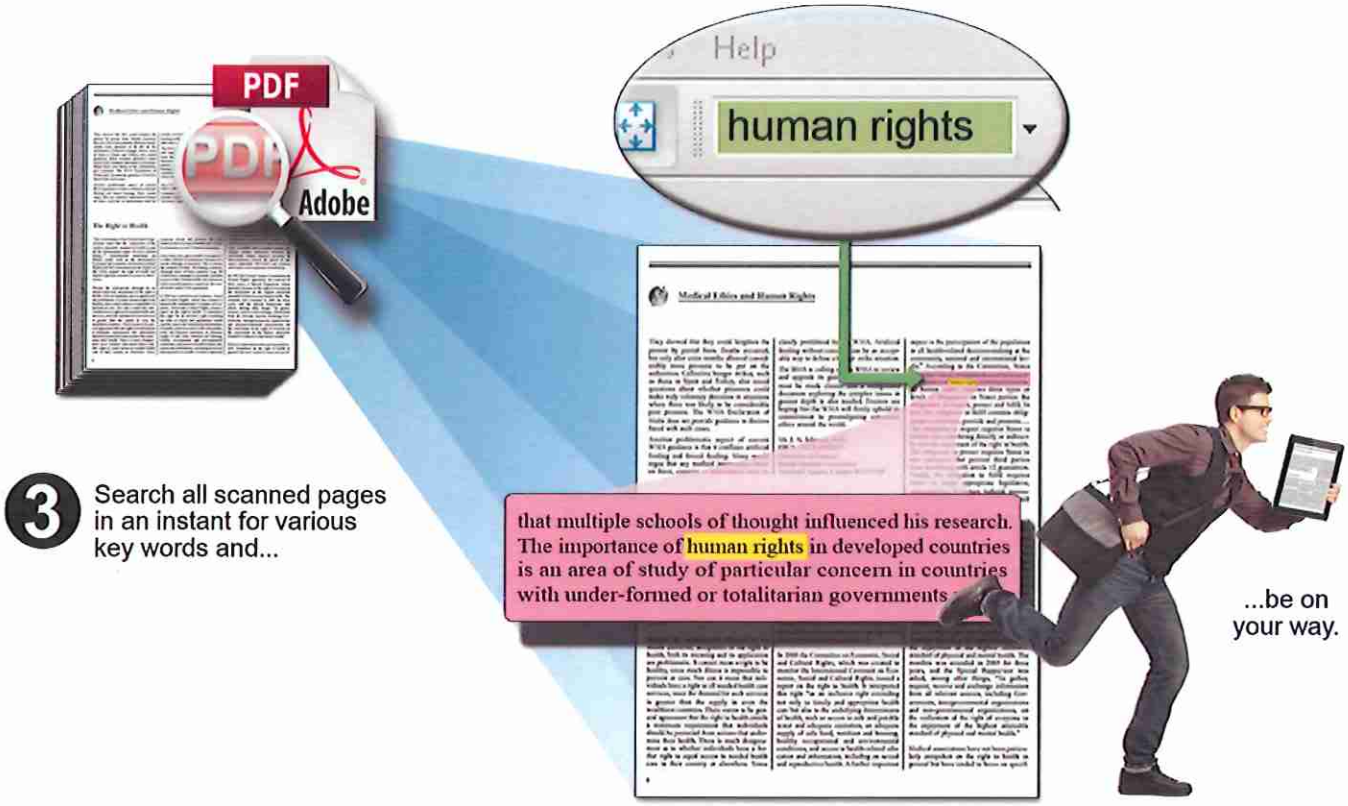
Keyword searching is becoming an indispensable capability that significantly improves the quality and efficiency of researching print collections.

- Access more sources DIGITALLY
- Search digitally & find information faster
- Deliver results in digital form
- Get your research in digital form

KIC is so fast that it can be used to search digitally instead of searching for information manually.

1 Scan selected excerpts from multiple sources in just minutes.

2 Output text or searchable PDF directly to a tablet, e-reader, PC, smart phone, Cloud storage, USB, or email.


PDF
Adobe
Help
human rights
that multiple schools of thought influenced his research. The importance of human rights in developed countries is an area of study of particular concern in countries with under-formed or totalitarian governments

3 Search all scanned pages in an instant for various key words and...

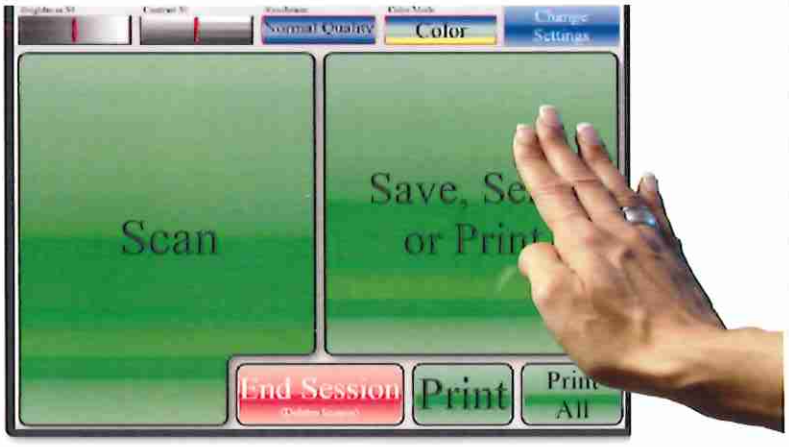
...be on your way.

True 2-Touch™ User Interface

Ease-of-use is a central feature of KIC. Its large, 24 inch touch screen with generously proportioned buttons occupying a very large portion of the touch screen are inviting even to the technically timid user.

The user is walked through each process without being overwhelmed because options appear only at the moment they are needed. If a flash drive is inserted, KIC detects this and the output options change to indicate that it will save to the flash drive. More sophisticated users can override defaults by manual selection.

KIC's high speed is derived as much from its ultra-simple, true two-touch interface as from its support of face-up scanners that obviate the need to flip books over and over again during the capture process.



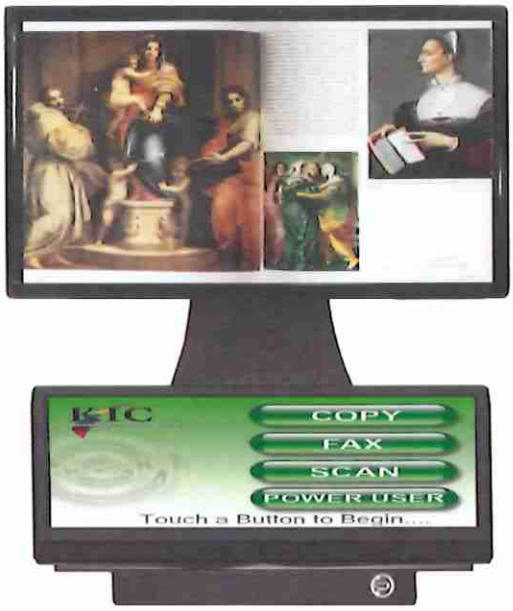
Two Large Screens for Simplicity & Power

It's easy to undervalue screen size. For 20 years, all cellphone makers relentlessly pursued smaller and smaller screens until very recently when one company reversed that trend. They realized that people want the largest screen that will fit in their pocket/purse and hand. This is because display screens are our window to the digital world, and touch screens give us control over that world.

As big as self-serve scanning systems are, it makes sense to have a very large touch screen. And with the low prices for high quality displays, it is compelling to add a separate display screen. In 2002, DLSG realized this, when the first KIC system was designed. Today, with nearly 10 years more experience than any other vendor, DLSG has the most understandable, easy to use and powerful user interface for self-serve book scanning, and employs dual screens.

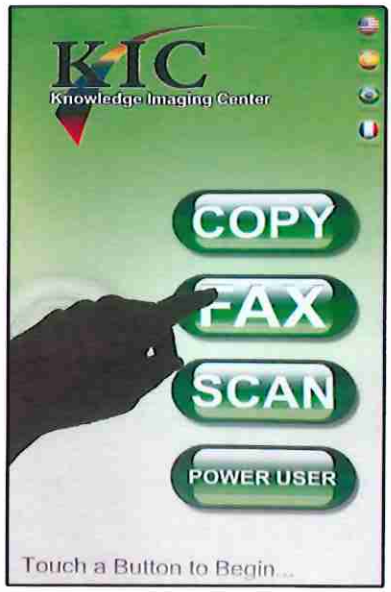
The view screen shows very large, clear images of what has been scanned, allowing the touch screen to have big, easy to understand buttons and other controls.

Display screens are our portals into the digital world, and touch screens are the easiest way to control that world. That's why DLSG provides large, 24 inch, full HD displays and equally large touch screens with most of its KIC systems.



Dual Screen Touch & View

KIC User Interface Forgiving for Beginners



- KIC is very agile, and allows the user to jump from just about anywhere in the touch screen system to just about anywhere else, directly and usually with a single touch. This modern, 'modeless' design is easier to use, but difficult to create.
- KIC's large buttons and controls are easy to use, even for people with unsteady hands.
- KIC gradually expands and contracts controls such as brightness, contrast and DPI so users can easily follow their screen activity.
- KIC doesn't delete original images when you clip a photo or excerpt of text unless you tell it to.
- Output to many different destinations in a single session.
- Once you've scanned a document, you can change your mind as to where you would like it to output. For example, you may have wanted to save to USB, but learned your USB drive is full. Or you may scan so much that it exceeds your email limit. Or after scanning and collating a mass of research, you decide that you want to share the research with others.

Introducing KIC to Your Patrons

▲ *KIC has a special introductory interface. For the first year in a new location, KIC can be configured to display three or four simple buttons:* [COPY] [FAX] [SCAN] *and* [POWER USER].

Touching [COPY] *will activate a very simple 'copier' interface with a large copy button that scans and immediately prints.*

Touching [FAX] will activate a very simple 'fax machine' interface.

Single Screen Versions of All Models Available

Tabletop KIC models have all the capabilities of the floor-standing models. They also have their own tabletop version of the optional SmartDock for wireless transfer of images, and ADF (auto-document feeder) scanner for scanning looseleaf paper, which can be placed anywhere on the table. ADA compliance is achieved by purchasing a table with a 30 inch clearance to the floor and a 31 inch height. KIC tabletop models also offer optional desktop configurations: one with a large touch screen and separate view screen, and the other with a single 24" touch/preview display.

Floor-standing KIC models offer the full KIC self-serve digitization functionality in an elegant, contemporary design with efficient use of space and a compact footprint. KIC 24" touch screen, large preview screen, and scan bed are at the perfect height for wheelchair access.

KIC SmartDock™

Save Scanned Images Directly to Smart Device

Connecting to SmartDock works a little like connecting to the Web at a coffee shop. No need to press any specialty keys. Simply run a browser to surf the Web and you'll see the KIC home page. As you scan pages, thumbnail images of those pages will appear on your smart device. When finished scanning, press the Download Now button on your smart device and the pages will be transferred to your smart device in seconds.

KIC Bookeye with SmartDock Option

Place any Apple, Android or Windows-based smart device on the **SmartDock** and anything you scan appears on your smart device with the touch of a button!

Files automatically appear on the device as they are scanned.

KIC Click Mini Slim with SmartDock Option

Use the optional KIC SmartDock on any KIC station model to transfer 10-20 full-color pages per second to any smart device without using any of your institution's precious WiFi bandwidth.

KIC Copier Replacement Option

Automatic Document Feeders for Looseleaf Papers

Add KIC's Copier Replacement Option to any KIC configuration and free up some budget funds for digital age hybrid library technologies. With a KIC self-serve book scanning kiosk, most moving parts and all paper handling parts are isolated inside this small, easy to service option. DLSG chose not to manufacture an ADF scanner and chose instead to select the best-of-breed ADF scanner. It's image quality and paper handling abilities are both very high for such a low-cost device.

$699 Copier Replacement Option

Don't let the tail wag the dog - in libraries, book scanning is far more important than loose paper scanning.

Virtually any inkjet, bubble jet or laser printer can be added for printed output right at the KIC system. When KIC systems are added to a library that continues to provide copiers for student and faculty use, paper copy output typically drops by about 90%. Because printed output drops so much, high production printed output devices are seldom necessary. Library staff can start with a $300 color printer and if it is heavily used, switch to a larger printer. Experimenting is not expensive. As a result, maintenance costs are lower and students can, at the library's choosing, enjoy free scanning and low-cost color printing!

Some KIC stands are designed to hold a printer on a shelf below the book scanner.

Why KIC Should Replace Copiers in Libraries

Reasons Copiers/MFCs are Out

While publishers are moving into the digital age and experimenting with various ways to maximize profits, libraries are sitting on big existing print collections that continue to contain vast amounts of valuable knowledge that is not available for free on the Internet. The problem is that mosot patrons today are immersed in the digital age, and they want this "knowledge" in digital form.

Digitize-on-demand is the obvious solution to this important problem for libraries. So the big question is: should libraries rely on the advice of photocopier/MFC (Multi-Function Copier) companies, that "MFC machines can scan, therefore they are adequate for the library floor."

Photocopiers/MFCs are not designed for scanning books. With photocopiers/MFCs on the library floor in the digital age instead of high-speed, easy to use, face-up book scanning kiosks, a library's print collections have become very underutilized. This is a great disservice to its patrons.

In addition, copiers and MFCs are designed for administrative functions, not scanning excerpts from books. Copier/MFC makers cannot justify to their shareholders the special investments necessary to meet the needs of such a small and special community – annual sales of the five largest copier corporations is five times the combined budgets of all US libraries (about $18 billion).

Copiers/MFCs are Outmoded

Since the first KIC was delivered to a library in 2004, the days of photocopiers and MFCs for patron use in libraries libraries were numbered. And now with the rapid explosion of tablet computers and electronic readers, the demand for electronic copies has substantially outstripped the demand for printed copies.

The ability to capture and store virtually unlimited numbers of pages in a tablet or electronic reader and search through that material on the Internet with a tablet, eReader or notebook PC that can be used just about anywhere is highly convenient and immensely valuable. In this digital age, libraries are compelled to go hybrid for three reasons: 1) the high demand for digital content; 2) their existing print collections contain vast amounts of information that cannot be found on the Internet; and 3) patrons are very receptive to the price of electronic copies – typically free.

So how do the costs of KIC systems compare with those of photo copiers? There are four main factors that keep the cost of photocopies high: 1) each copy requires paper, toner and ink; 2) photocopiers require a lot of maintenance due to the number of moving parts; and 3) all major photocopier brands use a distributed service model: and 4) copier technology hasn't had competition...until KIC.

In contrast, these costs are lower for KIC because KIC has split the scan/copy functions into three separate machines, choosing the best of breed for each. As a result, KIC offers the best book scanners by themselves or with a loose-leaf paper (ADF) scanner. Virtually any off-the-shelf laser or inkjet printer can be added to any KIC system, so you can optimize costs and speeds, and offer affordable color copies.

ADF attachment scans 40 loose-leaf pages/min (20 sheets per minute)

Patrons Prefer Face-up Book Scanners TEN to ONE

Directors of libraries that install KICs on the library floor frequently report huge reductions in copier/MFC use, and over time, more visits to the stacks.

- Copiers/MFCs are administrative tools.
- Content in bound volumes is a massive library asset.
- KIC pays for itself with its speed - one KIC can save thousands of patron hours in its lifetime.
- KIC avoids book flipping - required by copiers/MFCs.
- KIC is better for people with disabilities.
- KIC avoids spine damage.
- KIC is green - it strongly promotes electronic output.
- KIC electronic output is typically free for patrons.
- KIC has far less down-time than a Copier/MFC.
- Copiers/MFCs are primitive versus KICs. With KIC's large 24" touch screen, it is very easy to:
  - Annotate, clip, crop
  - Reposition pictures and text
  - Collate digitally
- POD - KIC scans scrapbooks, personal print photo archives, printed course materials, etc. & order books.
- KIC is integrated with academic library systems: Digital Library Operating System, WorldCat, academic & personal document management systems

Color Images are Free

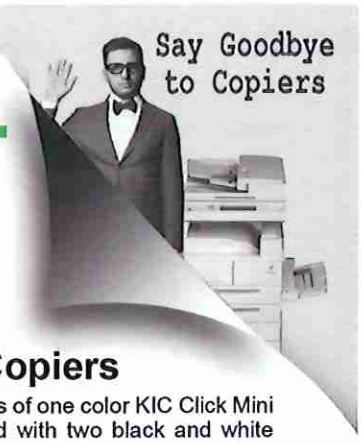
In the digital world, there is no paper, toner or ink, so libraries rarely charge for images, whether black and white or color.

Color Copies for Less

Over the years, many libraries experimented with color copiers, but could never find a formula that worked. If the fees were low, patrons would copy materials with so much color that the library would spend more on ink than the fees they were collecting. If the fees were too high, the usage would be so low that the cost of the machine couldn't be justified.

KIC calculates the amount of color in an image before it is printed. So the fee for copies with a little bit of color can be the same as the fee for black and white copies. If a copy has a lot of color, the fee can be increased in proportion to the cost of the color ink or toner. This wonderful feature should be a simple, easy byproduct of the digital age, and it is with KIC.

Avoid the poor results that photocopiers & microfilming too often produce.

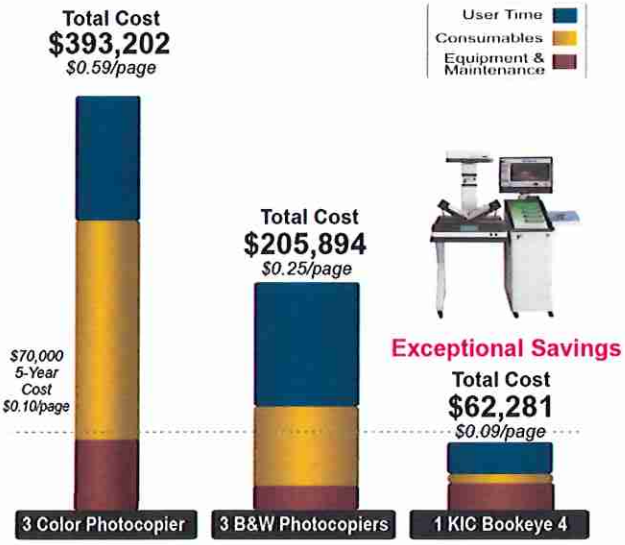


Cost Comparisons

The graphs below compare performance of single KIC with typical photocopiers when scanning books. The costs are broken into three main areas: equipment and maintenance, consumables, and patron usage time. With KIC, electronic output is assumed to be preferred over print 90% of the time. That ratio ranged from 75-95% electronic in 2012, but has risen significantly since then.

KIC Bookeye Scanners vs. Copiers

This graph compares the total costs of one color KIC Bookeye 4 system with three color copiers and with three black and white copiers. Both copiers are the kinds typically seen in libraries. One KIC Bookeye 4 is compared with three copiers because its face-up operation yields about three times the performance of a typical copier.

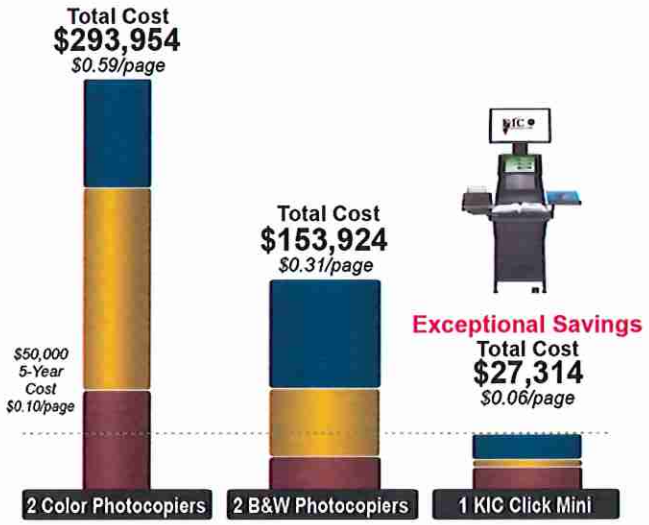


A Five Year Cost Comparison at a Usage Rate of 150,000 pages per year

The KIC numbers above represent a five-year savings in excess of $143,000!

KIC Click Mini vs. Copiers

This graph compares the total costs of one color KIC Click Mini system with two color copiers and with two black and white copiers. Both copiers are the kinds typically seen in libraries. One KIC Click Mini is compared with two copiers because its face-up operation yields well over two times the performance of a typical copier.

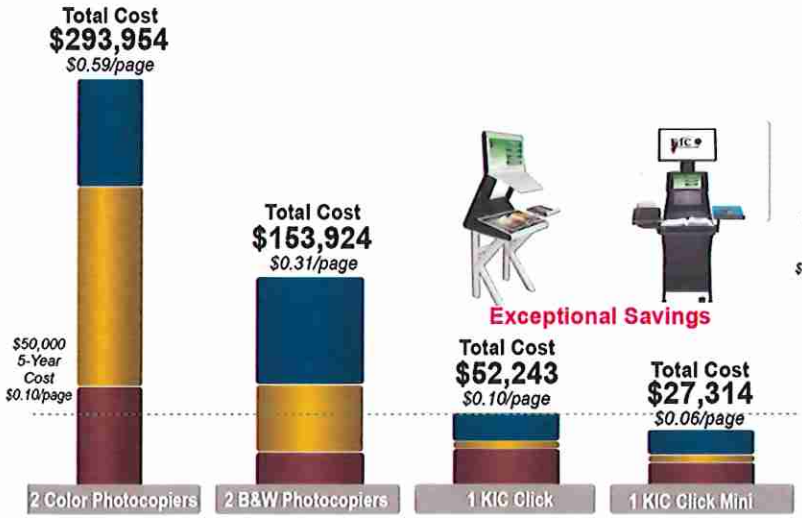


A Five Year Cost Comparison at a Usage Rate of 100,000 pages per year

The KIC numbers (above right) represent a five-year savings of $114,356!

KIC Click vs. Copiers

This graph compares the total costs of one color KIC Click system with two color copiers and with two black and white copiers. Both copiers are the kinds typically seen in libraries. One KIC Click is compared with two copiers because its face-up operation yields well over two times the performance of a typical copier.

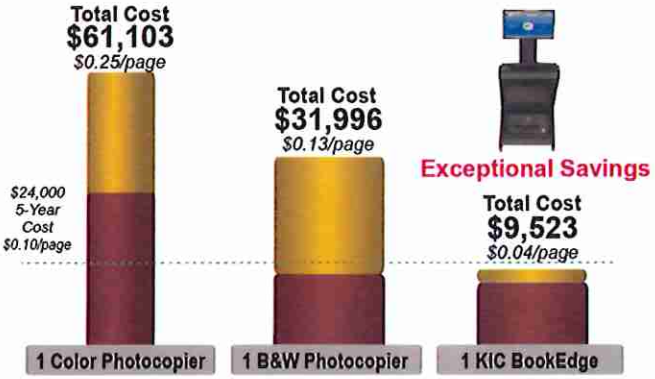


A Five Year Cost Comparison at a Usage Rate of 100,000 pages per year

The KIC numbers represent a five-year savings of $101,681!

KIC BookEdge Scanners vs. Copiers

This graph compares the total costs of one color KIC BookEdge system with a color copier and a black and white copier. Both copiers are the kinds typically seen in libraries.



A Five Year Cost Comparison at a Usage Rate of 50,000 pages per year

The KIC numbers represent a five-year savings of $36,358!

KIC vs. Copiers - How KIC Compares

KIC Face-up Book Scanners Scan 3x-6x Faster than Copiers

Replacing a Copier/MFC with a KIC can save Thousands of Hours of Student, Faculty & Researcher Time

Statistics from five million scanning sessions across America revealed a median session length of 23 pages. So, most of the time spent during a KIC session is spent scanning. Face up scanning has been proven to be three times faster than face down scanning.

Why is speed so important?

- It's economical. One KIC can replace multiple copiers or other face-down scanning machines.
- It gives patrons another reason to visit your library.
- It's green. The faster it is, the more use it will get and the less the copier will be used.

Adding KICs to Library Floors Increases Digital Output from 1% to 90%, Dramatically Reducing Wasteful & Expensive Paper Output

MFCs Only
MFCs + KICs
99% Printed Output in Libraries Without KIC
Add KIC Self-Serve Book Scanning Kiosks
90% Digital Output in Libraries with KIC

Your Choice: Scan Face-Down or Face-Up

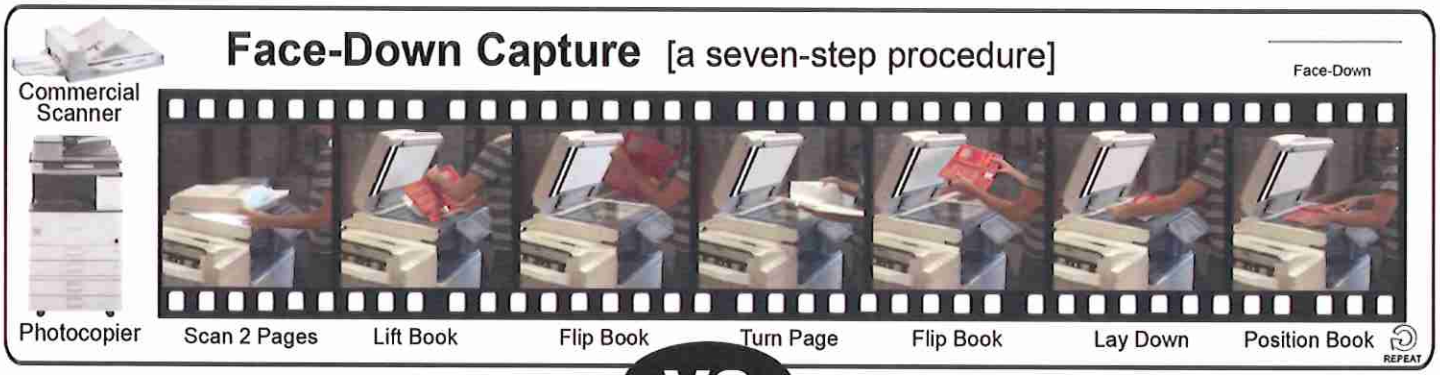
Faster is also Easier

Face-up book scanning is far easier on both patrons and books and quite a bit faster than face-down scanning.

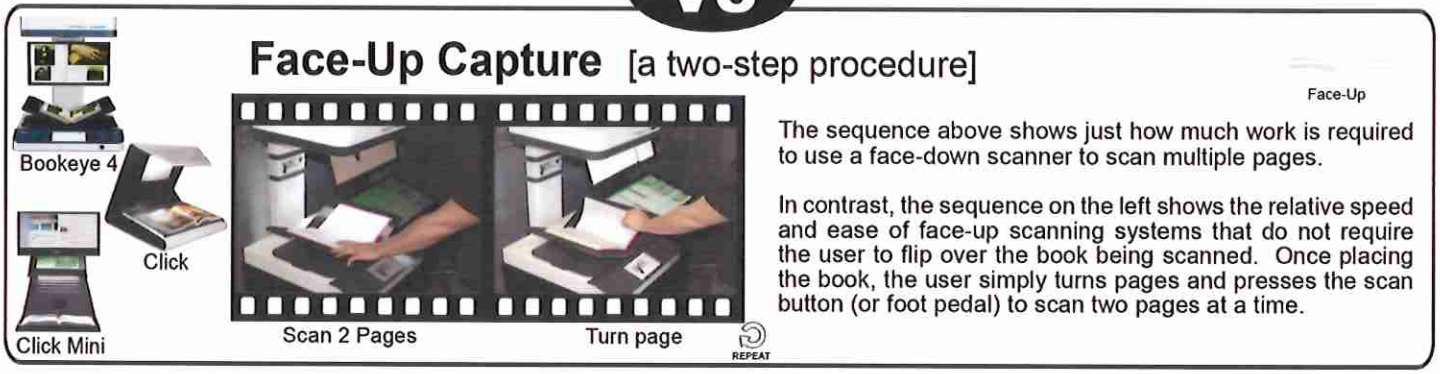
Scanning books face-up makes it much easier to keep track of what pages you've scanned. With KIC Bookeye 4 and other face-up scanners, books stay face up, so you can see what you're scanning as you scan it. This extra visibility eliminates the age old problem of skipping pages and scanning pages out of order which can occur with face-down scanners.

The following photo sequences show the reason that face-down scanning systems are typically 1/3 the speed of face-up systems. The book flipping necessary to scan a book face-down on a commercial copier scanner is shown in the photo sequence below. It's a workout both for the book and the user.

The ergonomic design of the face-up scanning sytems involves only the basic movement required to set a book down and turn a page.



VS



The sequence above shows just how much work is required to use a face-down scanner to scan multiple pages.

In contrast, the sequence on the left shows the relative speed and ease of face-up scanning systems that do not require the user to flip over the book being scanned. Once placing the book, the user simply turns pages and presses the scan button (or foot pedal) to scan two pages at a time.

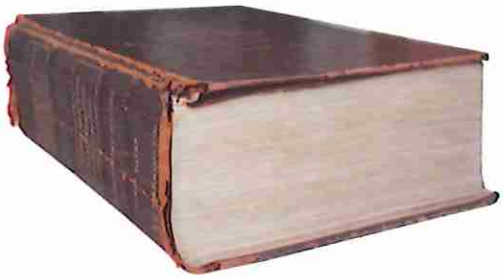
Cost Comparisons

No More Book Spine Damage!

Thick books with stiff spines and content that runs deep into the bookfold are often damaged when copied. KIC scanning systems easily capture content without damaging book spines.

KIC automatically removes black edges, straightens content, and produces clean, professional looking images.

These automatic image treatment functions also save a lot of administrator, faculty, and student time.



Thick Books?...No Problem

KIC Bookeye 4 handles thick books beautifully. Its contour-finding laser allows it to flatten even the most curved books and produce text that is clear and undistorted. KIC automatically adds margins for print-ready image quality.

KIC Payment Systems

Built-in Debit Payment System for KIC Systems

KIC Coin is a digital-age fee collection system included with all KIC systems. KIC Coin does not require that a coin box or a card reader be located next to each copier and fax machine. It works like a debit card, but no card is required. Patrons simply purchase any denomination they designate at the front desk. The library staff member prints a corresponding paper "KIC Coin" with barcode. The patron then places the KIC Coin on the KIC scanner and scans to begin charging the card with every scan thereafter.

Printing copies and faxing have per page costs. These costs are normally passed on to the user. With photocopiers, MFCs and other book scanning kiosks, additional hardware for collecting fees must be acquired. The costs of this addditional hardware must be passed on to the user.

KIC has a free, built-in method of charging users for copies and faxes. Simply print wallet-size "KIC Coins" on regular letter-sized paper in any denomination that you like, cut them out, and sell them to users at the circulation desk or wherever you collect fees for late book returns.

KIC Coins are Compatible with Copy Card & Cash Systems

All KIC systems are compatible with all standard copy card and coin-op devices. Since KIC transfers images to users' computers electronically, costly expendables are avoided, even for color! The library can opt to keep all revenue it collects.

ITC Systems 1010 NetLink	Danyl Systems Copy terminal
ITC Systems 7010 NetLink	Debitek DCT Family of readers
Access Control Devices EX2000	General Meters DCT-2
Blackboard CR1120	Jamex 7110
Blackboard CR1122	Pharos PS100
Blackboard CR3000	Pharos Omega series terminals
CBord C2005	Vendapin 5500
Diebold C2005	Vendapin 5596
Comprise Smart Kiosk	Virtual Cash Vending Terminals
Copicard CX125	

KIC Fleet Management

Monitor Usage Statistics at a Glance

Control,update and monitor your KIC systems remotely. To better serve your patrons, it is important to know which KIC systems are used the most and at what times during the day and week, and which are used the least. All usage statistics can help you to determine the best KIC configuration for each site. And to make it easier to navigate from KIC to KIC system, KIC Fleet Manager allows you to select a particular KIC system via either of two methods: a map or a list.

With over ten years serving libraries, KIC is the most stable product available today. However, DLSG engineers incessantly work to improve KIC and support the growing changing digital world. DLSG offers improved software regularly, and in order to make it easier to deploy updates, KIC Fleet Manager lets you update KIC systems remotely. For example, a recently released feature lets you turn KIC systems on and off on demand or on a schedule set by a central control panel.

Hi Lisa, take a look at the KIC station near the help desk and make sure it's powered up.
I think the cleaning staff may have unplugged it when they moved some of the equipment last night.

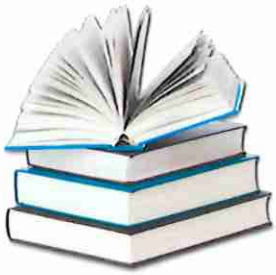
It's about Optimization!

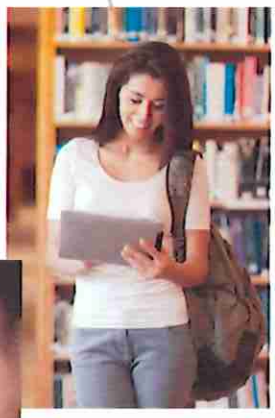
KIC Knowledge Imaging Center
FLEET MANAGER

KIC Knowledge Imaging Center
FLEET MANAGER

- *Live KIC Stations status.*
- *Real time statistics, including statistical analysis presented by easy-to-see charts*
- *Real time revenue reports*
- *Detailed single-unit statistics, including total scans, color options, most popular output methods, file formats*
- *Live Event Log*
- *Centralized settings manager*

The Hybrid Library





To fully earn the 'hybrid library' designation, a library's existing print collections must be available in digital format. KIC systems allow your patrons to select material for quick and easy self-serve digitization, providing a valuable conduit between your print collections and patron tablets, PCs, eReaders and smart devices.

KIC's self-serve digitize-on-demand capabilities leverage your library's most valuable assets — its print collections.

Digital images don't have the limitations of physical copies. They can instantly be shared around the world via email or Cloud, dramatically facilitating collaboration.

KIC avoids the digital rights management conundrum. Each digitization is for a single use, but thousands of patrons can digitize content from the same book, yet preserve the book's spine.

Resource Sharing

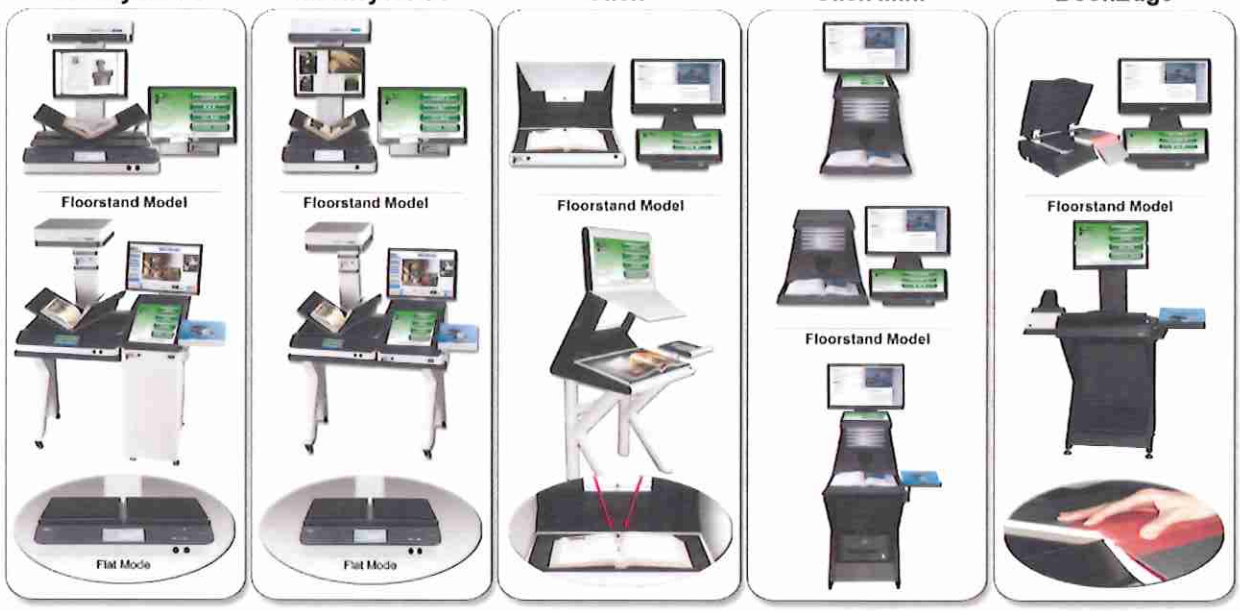
We know the importance of resource sharing. To help squeeze more value out of your investment, KIC can be configured to support the BSCAN Interlibrary Loan system, the Opus Digitization Workflow system, and general ad hoc scanning.

Use a USB flash drive to enable other types of scanning at a KIC station and temporarily access shared folders on a network. When you unplug the USB, the KIC station automatically returns to its regular self-serve scanning station functionality.

For general purpose scanning by administrators and faculty, simply write a department password file to a flash drive. When a user plugs in the USB 'key', KIC recognizes the password and allows the user to save scanned images to shared folders.

The KIC Product Family

Your dollars go further with our complete KIC product line. Every institution would like to have at least one large KIC system, especially for reading rooms and reference sections, but not all library floor locations require a large system. Our array of products lets you get as many bigger systems as you need and fill out the rest with lower-cost systems.



	Bookeye 4 V2	Bookeye 4 V3	Click	Click Mini	BookEdge
Max Scan Area	24.4 x 18"	18.9 x 15.3"	22 x 16"	19.2 x 12.3"	17 x 11.8"
Bound Volume Scanning Speed in Pages Per Minute	24 PPM	30 PPM	20 PPM	40 PPM	7 PPM
Resource Sharing: Archive	●	◐	-	-	◐
Projects & Course Material Creation	●	●	●	●	●
Price	$	$	$	$	$
Scalable	●	●	●	●	●
Oversize Flat & Large Books	●	◐	◐	○	○
Face-up Scanning	●	●	●	●	○
Flatbed with Book Edge	○	○	○	○	●
120° Book Cradle	●	●	○	○	●
Scan Follows Book Contours	●	●	○	○	○
Face-up: Flat and V-Cradle	● ★	● ★	○	○	○
400 dpi Output	●	●	○	○	●
600 dpi Output	● •	○	○	○	●

★ *Exclusive Feature* • *Optional Feature*

Features Common to All KIC Systems

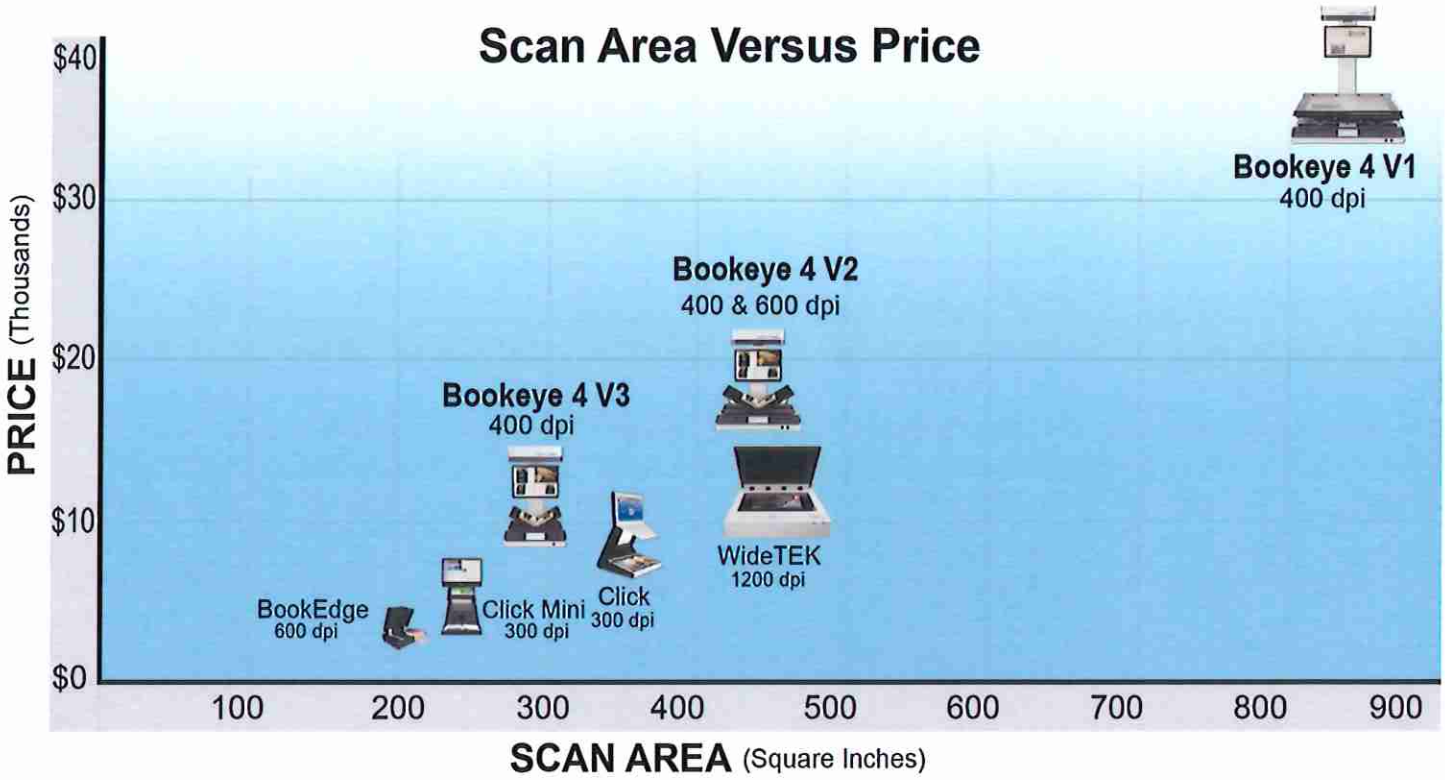
Output Formats: Basic PDF, JPEG, PNG, MP3 Audio (TTS), Searchable PDF, Editable Text (OCR), Google Docs, Cloud, Dropbox, ..., USB, Email, FTP, Admin Folder, SmartDock™, Tablets, eReaders and Smart Phones.

Copier Replacement Capabilities: Collate, Black&White and Color, Automatic Document Feeder Option, Multiple Shared Printers, Charge for Prints via Blackboard, ITC Sys, CBord, Diebold, Copicard, Danyl Sys, Debitek, Gen Meters, Jamex, Pharos, Vendapin, Virtual Cash, etc.

User Interface Features: True2Touch™, Separate Preview Screen, Full-Size Preview, Large Touch Screen (24 inches), ADA Support

Image Processing Abilities: Collate, Clip, Rotate, Crop, Split Left & Right Pages, Deskew, Correct Book Curve

Optics: 24 Bit Color, 300 dpi Output



Compatible Scanners 200 & 300 DPI B&W (1 bit/pixel)	Scan Area	Typical ILL DPI (1)	Max DPI	Scan time two book pages (2)	Total time to scan, treat & send a 10 page article (3)
Bookeye 4 V3	15.3 x 18.9"	200	400	2 seconds	48 - 53 seconds
Bookeye 4 V2	18 x 24.4"	200	600 (4)	3 seconds	54 - 59 seconds (3)
Bookeye 4 V1	25 x 33.5"	200	400	4.5 seconds	60 - 70 seconds
Click	16 x 22"	300	300	1 second	50 - 55 seconds
Click Mini	12.25 x 19.2"	300	300	1 second	48 - 43 seconds
BookEdge	11.8 x 17"	200	600 (6)	5 seconds	65 - 75 seconds (5)(6)
"	"	"	"	11 seconds	144 - 164 seconds (5)(7)
WideTEK 25 (B&W/GS)	18.5 x 25"	200	1200	3 seconds	66 - 76 seconds (5)
Commercial Flatbed Scanner	11 x 17"	200	600	9 seconds	110 - 120 seconds (5)
Photocopier (MFC)	11 x 17"	300	300	10 seconds	115 - 125 seconds (5)

(1) The measure of scan times in this chart used these DPI settings.

(2) Sweeping time only, does not include preview or transfer time.

(3) Time required to scan a ten page article, clean it up (e.g. deskew, remove fan & gutter), send the article and update the system.

(4) Bookeye 4 V2 comes standard with 400 dpi max and has a 600 dpi upgrade option.

(5) Turning pages is much faster with a planetary scanner than with a flatbed.

(6) Scanning 2 pages at a time (to increase speed) is not book spine friendly.

(7) Scanning 1 page at a time using edge of scanner.

DLSG Products Serve 70% of Students at US Universities

In the U.S. alone, KIC serves the majority of students at the top "brick and mortar" (non-online) universities. With the introduction of the KIC BookEdge, KIC Click, and KIC Click Mini, KIC is now affordable for virtually all institutions of higher learning and all but the smallest public libraries. Last decade, libraries typically 'added' several KICs, but since 2010 libraries have begun to replace their entire patron-use copier fleets with self-serve book scanning systems.

KIC's interface is so easy to use, it is just two steps!
-- Romie Miller, Millersville University
Regarding KIC's T2T true two-touch interface, ... it's ten times better than the [competition] user interface.
– Jeff Bernhard, Assistant Director for ITS Client Services & Support
Our librarians and patrons love our KIC systems.
-- Benjamin J. Chapman, Emory Law IT
We love the KIC scanner!
-- M. Alicea-Sáez, Bentley University
These things are amazing!
-- Angie Class, Librarian, Sacramento Public Library
The KIC scanners are perfect. Getting them was the smartest thing we have ever done.
-- Melveta Walker, Director, Golden Library, Eastern New Mexico University
We are replacing all our copiers with KIC... We are thrilled with KIC.
-- Victor Cenac-Mehedinti, Archives Specialist, Fuller Theological Seminary
The KIC system is perfect - no problems whatsoever...we're extremely satisfied.
-- Jessica Drewitz, Head of Public Services, Pepperdine University School of Law

KIC
Knowledge Imaging Center

KIC Bookeye 4

CAPTURE, COPY, FAX & COLLATE BOOK CONTENT

Peerless Face-up Book Scanning for the 21st Century Library

KIC is the most essential piece of equipment in our library.
-- Bill Hair, Associate Dean, Baylor University

Study, Report, Research, Collaborate ... Digitally

Photos, Maps, Documents, Books, ...

KIC Bookeye 4 is an indispensable machine at numerous public libraries across America. It is used for research, study and production of enhanced quality reports and papers with crystal clear color and black & white excerpts from books, magazines and very large journals. In addition, as a UDSA compliant digitize-on-demand system conveniently located among the stacks, KIC can be used as an ad hoc digitization station by Interlibrary Loan departments.

With its 600 dpi option, KIC Bookeye 4 sytems are perfect as shared resources, capturing the finest details for digital archival and preservation.

The KIC Bookeye 4 can capture 20 book pages per minute for instant access on tablets, notebooks, smart devices and easy transfer to desktop PCs and servers. With a bed size more than 40% larger than its nearest competitor, Bookeye 4 is also the only high resolution scanner in the world that supports both v-cradle and flat modes, and can scan material as large as 24 x 17 inches.

Photocopiers, fax machines, PCs, monitors and keyboards clutter up otherwise beautiful libraries across America. KIC Bookeye 4 reverses that trend, replacing copiers and fax machines and adding scanning in a single machine with clean lines, efficient design, and ADA compliance.

Bookeye® 4

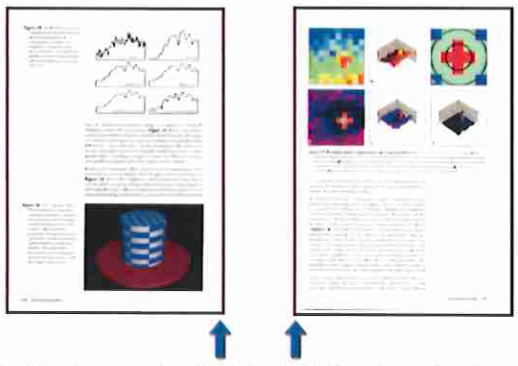
Beautiful Images - Fast and Easy, and Nondestructive

Face-Up Scanning is Faster!

KIC Bookeye 4 self-serve scanning kiosks employ face-up scanners that save a lot of time and reduce book spine damage because they capture two face-up pages of a book with each scan and do not require the user to flip the book twice for each page. KIC analyzes each image, and automatically splits it into two separate images.

In addition, black edges are automatically removed and the content is straightened, producing clean, professional looking images — important for electronic reserves, course curriculum materials and research reports. These automatic image treatment functions also save a lot of faculty, administrator, and student time.

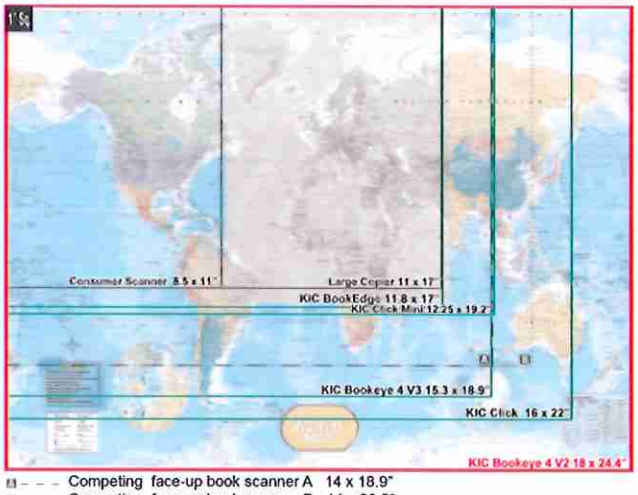
Face-up scanning is faster, easier, and it eliminates spine damage



Text is clear and undistorted. KIC automatically adjusts margins for print-ready image quality.

Capture Area Comparison

The capture area of copiers is about half that of KIC Bookeye 4 while the capture area of typical consumer scanners is smaller still. With an 18 X 24 inch capture area, Bookeye 4 captures it all!


Consumer Scanner 8.5 x 11"
Large Copier 11 x 17"
KIC BookEdge 11.8 x 17"
KIC Click Mini 12.25 x 19.2"
KIC Bookeye 4 V3 15.3 x 18.9"
KIC Click 16 x 22"
KIC Bookeye 4 V2 18 x 24.4"

Competing face-up book scanner A 14 x 18.9"
Competing face-up book scanner B 14 x 20.5"

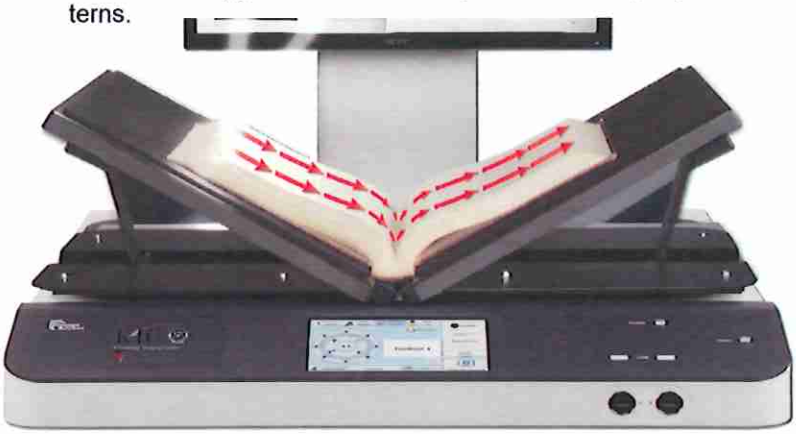
Scan Oversized Reference Books

With the view screen on the side, the Bookeye 4 neck provides an ideal bookstop for scanning very large reference books. KIC True2Touch provides full rotation capabilities so that you can scan in the orientation that suits you best.

The Bookeye 4 V2's 600dpi Option

With its 600dpi option, Bookeye 4 is the only true preservation quality book scanner that's also ideal for self-service.

To capture moving objects, digital cameras must use array CCDs, which capture all parts of the object at the same instant. That's why affordable digital cameras have 50 megapixels or less. And those pixels must be further divided into red, green and blue sub-pixels called Bayer patterns.



Since books don't move while being scanned, the Bookeye 4 is able to utilize linear CCD technology to produce ultra-clear images with astounding 140 megapixels. Each pixel in a linear CCD includes full red, green and blue sub-pixels. However, high resolution scanning is meaningless if the lens system does not produce highly focused images. Since ultra-high resolution "spy satellite" lenses are quite expensive, the Bookeye 4 scans from left to right, allowing it to follow the curve of an open book and maintain excellent focus, whether in V-mode or flat mode.

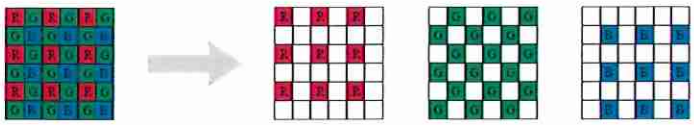
◀ *The Bookeye 4's left-to-right scanning allows it to follow the contours of virtually any book, producing better 600 dpi images than other book scanners that claim to produce 600 dpi images.*

Preservation Image Quality

The Amazing Image Quality of the Bookeye & BookEdge 600dpi

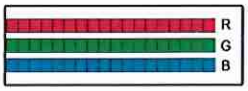
With its 600dpi option, Bookeye 4 V2 produces the highest quality A2 size (17x25") images of any face-up scanner today

To capture moving objects, digital cameras must use array CCDs, which capture all parts of the object at the same instant. Affordable digital cameras have 50 megapixels or less. And those pixels must be further divided into red, green and blue sub-pixels, which can reduce the clarity of color images by 40%.



The Bayer Pattern is used by digital cameras to capture color images

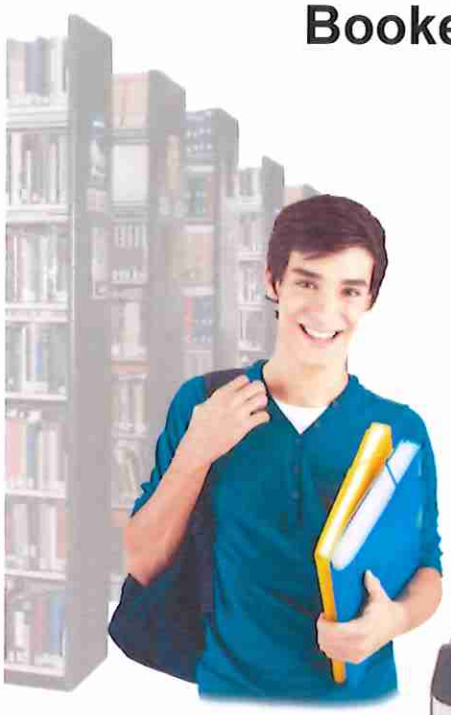
Since books don't move while being scanned, Bookeyes employ linear CCD technology to produce ultra-clear images with astounding 140 megapixels. Each pixel in a linear CCD includes full red, green and blue sub-pixels.



Scanners use linear CCDs. The sweeping action of scanners allow them to capture the precise amount of red, blue and green for each pixel.

Bookeye 4 scanners utilize a unique state-of-the-art rotating mirror system that dramatically reduces clarity loss at the corners of the image due to the limitations of lens systems. Bookeyes can also scan in V-mode or flat-mode, and they scan from left to right, allowing them to follow the curves of the book.

Bookeye 4 Technical Specifications



KIC Bookeye 4 V2

KIC Bookeye 4 V3

KIC Knowledge Imaging Center
T2T True 2 Touch

	KIC Bookeye 4 V2	KIC Bookeye 4 V3
Max Capture Area	24.4 x 18 inches	18.9 x 15.3 inches
Resolutions	150, 200, 300, 400, 600 dots per inch	150, 200, 300, 400 dots per inch
Maximum Speed	0.7* sec / 1 page of 8.5 x 11" book 1.1* sec / left & right pages of 8.5 x 11" book 1.8* sec / full bed scan	0.7* sec / 1 page of 8.5 x 11" book 1.1* sec / left & right pages of 8.5 x 11" book 1.4* sec / full bed scan
Dimensions (HxWxD)	Tabletop Model: 31 x 46 x 26 inches K-stand Model: 63 x 45 x 28 inches	Tabletop Model: 31 x 43 x 24 inches K-stand Model: 62 x 48 x 26 inches
Weight	Tabletop Model: 120 lbs (Includes PC) K-stand Model: 310 lbs (Includes PC)	Tabletop Model: 107 lbs (Includes PC) K-stand Model: 220 lbs (Includes PC)
Output Color Depth	24-bit color, 8-bit grayscale & 1-bit B&W	24-bit color, 8-bit grayscale & 1-bit B&W
Lamps	White LEDs, no IR/UV emission	White LEDs, no IR/UV emission
Power Consumption	Approx 230W (Scanning)	Approx 230W (Scanning)

** Transfer & Preview Times Not Included*

KIC Technical Specifications

(Common to All KIC Models)

Digital File Interfaces	USB 2.0, email, FTP, Web/Cloud storage (e.g. Google Docs), file folder (for staff & faculty only)
Image Output Formats	PDF, JPEG, PNG and TIFF rich text and searchable PDF (optional)
Audio Output Formats	MP3 audio text-to-audio (optional)
Printer Interface	10/100/1000 megabit Ethernet or USB 2.0
Printed Output Formats	8.5 x 11", 11 x 17", simplex, duplex, color & 13 x 19" monochrome (printer not included)
Image Treatment Functions	Split pages (left & right), clip, crop, change brightness/contrast, change resolutions (dpi), select color, grayscale, or B&W

- Copy two face-up, full-color pages with a single touch
- Create full color electronic images and/or paper copies
- Review electronic images *before* saving or printing copies
- Collate by dragging images into proper order with your fingertip
- Select file formats such as PDF, JPEG, PNG, TIFF, even MP3 (audio)
- Simply place your smart device on KIC's optional SmartDock and with just two touches, you are ready for very high-speed transfer.
- Sending scanned images via email is also fast and easy with hot-keys that are pre-programmed with your institution's base email address.
- Output to Google Docs / Google Apps for Education and other cloud-based tools can also be simplified with pre-programmed hot-keys.
- Insert a USB flash memory device and KIC auto-selects USB output.

KIC
Knowledge Imaging Center
T2T True 2 Touch

KIC Click

CAPTURE, COPY & COLLATE BOOK CONTENT
with Walk-up Scanning as Fast & Easy as Walk-up Copying

KIC is the most essential piece of equipment in our library.
- Bill Hair, Associate Dean, Baylor University

Join the Tablet & eReader Revolution

The KIC Click is a high-speed, face-up book capture system at an affordable price. Its sleek and elegant look will complement any library floor. And with its True2Touch™ user interface, KIC Click is as easy to use as it is beautiful. Are there any compromises? You decide.

The KIC Click captures nearly 20 book pages per minute for instant access on tablets, notebooks, smart devices and easy transfer to desktop PCs and servers. With a bed size 30% larger than its nearest competitor, it captures up to 22 x16 inch books and materials at an uncompromising resolution of 300dpi.

Photocopiers, PCs, monitors and keyboards clutter up otherwise beautiful libraries across America. The smooth but rugged black or white KIC Clicks totally reverse that trend, adding beauty to even the most beautiful libraries.

KIC Click Tabletop

Inspired by an outstanding effort of the tablet industry to turn technology into something more like jewelry or a fashion accessory than a computer, the KIC Click evokes comments like, "We care about the appearance of our library and this machine will complement the most beautiful library!"

Beautiful Images

Fast and Easy, and Nondestructive

Capture Deep into the Bookfold

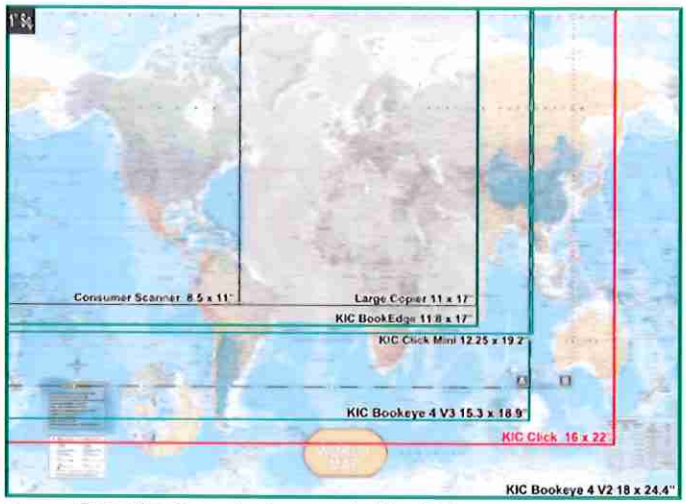
KIC Click's Dual Cameras are Set at the Perfect Angles

Most books curve at their spine - some rather dramatically. KIC Click gets deep into the bookfold of tightly-bound volumes by capturing from two angles, and easily straightens out the worst curves, producing clear, professional quality images.

Fast, Face-Up Scanning that Captures Into the Book Fold Like No Other Machine

Capture Area Comparison

KIC Click's ample 16 X 22 inch capture area is over 50% larger than that of 11x17 inch copiers and twice that of typical consumer scanners. It handles a large percentage of books that are too big for an 11x17 inch scan bed, scanning them two pages at a time without damage to their spines.


Consumer Scanner 8.5 x 11"
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KIC Bookeye 4 V3 15.3 x 18.9"
KIC Click 16 x 22"
KIC Bookeye 4 V2 18 x 24.4"

Competing face-up book scanner A 14 x 18.9"
Competing face-up book scanner B 14 x 20.5"

Thick Books... No Problem

KIC Click handles thick books beautifully. Text is clear and undistorted. KIC automatically adds margins for print-ready image quality.

Technical Specifications

KIC Click

Face-Up Book Copier/Digitizer

KIC Click Technical Specifications

Max Capture Area	22 x 16 inches
Max Resolution	300 dots per inch
Maximum Speed	2.1 sec (full bed); 3.7 sec per page for multiple pages; 37 seconds for 10 pages at 300 dpi
Dimensions (HxWxD)	Tabletop Model: 23 x 45 x 27 inches K-stand Model: 68 x 25 x 27 inches
Weight	Tabletop Model: 98 lbs (PC not included) K-stand Model: 110 lbs (PC not included)
Printed Output Formats	8.5 x 11", 11 x 17", simplex, duplex, color & 13 x 19" monochrome (printer not included)
Image Treatment Functions	Split pages (left & right), clip, crop, change brightness/contrast, change resolutions (dpi), select color, grayscale, or B&W
Output Color Depth	24 bit color, 8 bit grayscale, 1 bit B&W
Lamps	White LEDs, no IR/UV emission
Power Consumption	140W Operation

KIC Technical Specifications

(Common to All KIC Models)

Digital File Interfaces	USB 2.0, email, FTP, Web/Cloud storage (e.g. Google Docs), file folder (for staff & faculty only)
Image Output Formats	PDF, JPEG, PNG and TIFF rich text and searchable PDF (optional)
Audio Output Formats	MP3 audio text-to-audio (optional)
Printer Interface	10/100/1000 megabit Ethernet or USB 2.0
Printed Output Formats	8.5 x 11", 11 x 17", simplex, duplex, color & 13 x 19" monochrome (printer not included)
Image Treatment Functions	Split pages (left & right), clip, crop, change brightness/contrast, change resolutions (dpi), select color, grayscale, or B&W

- Copy two face-up, full-color pages with a single touch
- Create full color electronic images and/or paper copies
- Review electronic images *before* saving or printing copies
- Collate by dragging images into proper order with your fingertip
- Select file formats such as PDF, JPEG, PNG, TIFF, even MP3 (audio)
- Simply place your smart device on KIC's optional SmartDock and with just two touches, you are ready for very high-speed transfer.
- Sending scanned images via email is also fast and easy with hot-keys that are pre-programmed with your institution's base email address.
- Output to Google Docs / Google Apps for Education and other cloud-based tools can also be simplified with pre-programmed hot-keys.
- Insert a USB flash drive device and KIC auto-selects USB output.

KIC
Knowledge Imaging Center
T2T True 2 Touch

Click Mini

Affordable Face-up Book Scanning for the Digital Age Library

Click Mini Floorstanding Model

Tabletop Touch-on-Top

Tabletop with Touch & View Monitors

Tabletop with Single Touch Monitor

CAPTURE, COPY, FAX & COLLATE BOOK CONTENT

Join the Tablet & eReader Revolution

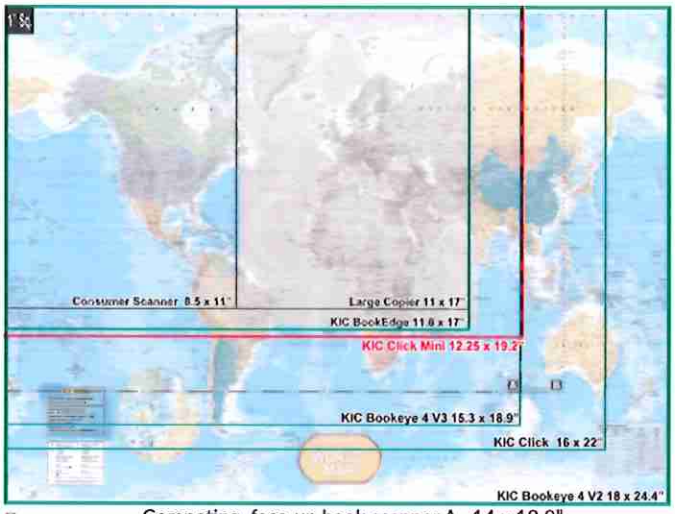
Introducing KIC Click Mini, our new and exciting book scanner that achieves a far more affordable price point for face-up book scanning than ever before. Are there any compromises? You decide.

The KIC Click Mini captures 30 book pages per minute! It produces sharp, clear images in full color at 300dpi for instant access on tablets, notebooks, smart devices and easy transfer to desktop PCs and servers and the Cloud. Its 12.25 x 19.2 inch bed size is significantly larger than double-letter and is large enough for most book pages. Very large books can be scanned one page at a time sideways and the images rotated. And of course, it handles loose paper and other flat material, too.

Photocopiers, fax machines, PCs, monitors and keyboards clutter up otherwise beautiful libraries across America. KIC Click Mini reverses that trend, replacing copiers and fax machines and adding scanning in a single machine with clean lines and efficient design.

Capture Area Comparison

KIC Click Mini's generous 12.25 X 19.2 inch capture area is 27% larger than that of 11x17 inch copiers and about twice that of typical consumer scanners. It easily handles books that are too big for an 11x17 inch scan bed, scanning them two pages at a time without damage to their spines.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Large Copier 11 x 17"
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KIC Bookeye 4 V3 15.3 x 18.9"
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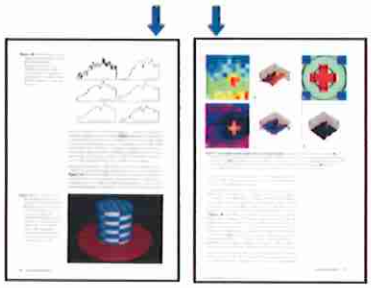
KIC Bookeye 4 V2 18 x 24.4"

Competing face-up book scanner A 14 x 18.9"
Competing face-up book scanner B 14 x 20.5"



A single face-up scan renders two pages, a left and right page that can be left as a single image or automatically split into two pages.

Using Click Mini's Book-Stop

Straightening skewed images reduces image quality, takes extra time and requires additional processing power, so deskewing is best avoided altogether by making sure your scan material is properly aligned *before* you scan. Click Mini's book stop eliminates skew before it happens, thus maintiaining image quality with minimal effort.

Simply place your book or other scan material(s) on Click Mini's scan bed and pull toward you until you feel them come into contact with the book stop. Now you're ready to scan.

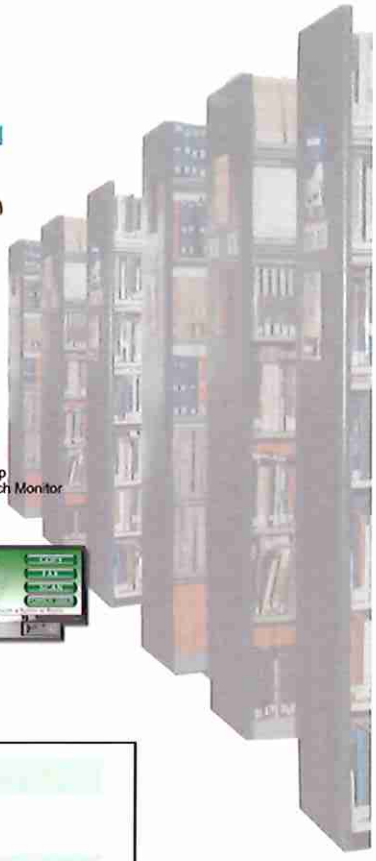
Scanning Oversized Books

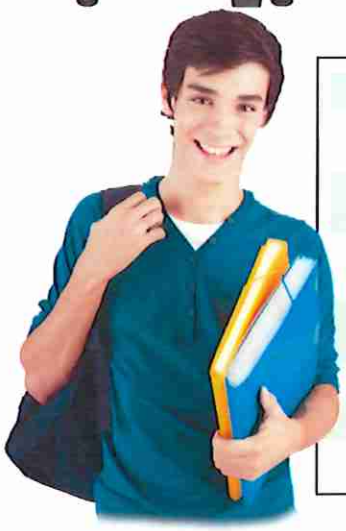
In addition, very large volumes can be scanned sideways, one page at a time and rotated.

Technical Specifications

Click Mini

Face-Up Book Copier/Digitizer





KIC Click Mini Technical Specifications

Max Capture Area	12.25 x 19.2 inches
Max Resolution	300 dots per inch
Maximum Speed	0.5 sec / 2 page of 8.5 x 11" book 109 seconds for 30 pages at 300 dpi
Dimensions (HxWxD)	Tabletop Model: 20 x 20 x 20 inches Floorstand Model: 67 x 20 x 20 inches
Weight	Tabletop Model: 44 lbs Floorstand Model: 95 lbs
Output Color Depth	24 bit color, 8 bit grayscale & 1 bit B&W
Lamps	White LEDs, no IR/UV emission
Power Consumption	Approx 140W (Scanning)

KIC Technical Specifications

(Common to All KIC Models)

Digital File Interfaces	USB 2.0, email, FTP, Web/Cloud storage (e.g. Google Docs), file folder (for staff & faculty only)
Image Output Formats	PDF, JPEG, PNG and TIFF rich text and searchable PDF (optional)
Audio Output Formats	MP3 audio text-to-audio (optional)
Printer Interface	10/100/1000 megabit Ethernet or USB 2.0
Printed Output Formats	8.5 x 11", 11 x 17", simplex, duplex, color & 13 x 19" monochrome (printer not included)
Image Treatment Functions	Split pages (left & right), clip, crop, change brightness/contrast, change resolutions (dpi), select color, grayscale, or B&W

- Copy two face-up, full-color pages with a single touch
- Create full color electronic images and/or paper copies
- Review electronic images *before* saving or printing copies
- Collate by dragging images into proper order with your fingertip
- Select file formats such as PDF, JPEG, PNG, TIFF, even MP3 (audio)
- Simply place your smart device on KIC's optional SmartDock and with just two touches, you are ready for very high-speed transfer.
- Sending scanned images via email is also fast and easy with hot-keys that are pre-programmed with your institution's base email address.
- Output to Google Docs / Google Apps for Education and other cloud-based tools can also be simplified with pre-programmed hot-keys.
- Insert a USB flash drive and KIC auto-selects USB output.

KIC BookEdge

Scan, Copy, Fax & Collate

in a 2x2 Foot Floor Space

KIC Knowledge Imaging Center

T2T True 2 Touch

Affordable Book Scanning for the 21st Century Library

Join the Tablet & eReader Revolution

KIC's T2T true two-touch interface is "ten times better than the [competitor] user interface."
– Jeff Bernhard, Assistant Director
ITS Client Services & Support

Slash paper and ink costs with the innovative KIC BookEdge self-serve scan and copy system!

The days of the photo copier on the library floor are over. Patrons expect digital, and your print collections are too valuable not to make them available to patrons today who see copiers as "old school."

Occupying less space than a floor standing copier and offering 12x17 inch book-edge scanning, KIC BookEdge provides the next best thing to face-up scanning in a form factor that's small enough to fit in the far corners of any library! And its cost is small too.

But don't let its size fool you. KIC BookEdge systems provide the same extensive capabilities as our heavy duty KIC systems: fast scan/copy/fax/print, image editing and collating, save to tablets, smart phones, notebook PCs, USB drives, and Cloud, send via email or FTP.

What's so special about KIC systems is how easy they are to use with their True2Touch interface and very large touch screens. Students enjoy unlimited, fast and easy access to entire library collections, digitally. It's not often that a service becomes so popular with patrons so rapidly.

Tabletop Configurations

Technical Specifications

KIC BookEdge

KIC BookEdge Technical Specifications

Max Capture Area	17 x 11.8 Inches (432 x 300 mm)
Resolutions	150, 200, 300, 400, 600 dots per inch
Maximum Speed	5.0 seconds for full bed at 200 dpi 8.5 seconds for full bed at 600 dpi
Dimensions (HxWxD)	31 x 25 x 15" (787.4 x 625 x 381 mm), 59 x 26.5 x 23" (1498.6 x 660.4 x 584.2 mm) with optional stand
Weight	30 lbs, 114 lbs with optional floorstand
Output Color Depth	24 bit color, 8 bit grayscale & 1 bit B&W
Lamps	White LED's, no IR/UV emission
Power Consumption	50W Stand-by, 127W Operation (printer not included)

** Transfer & Preview Times Not Included*

KIC Technical Specifications

(Common to All KIC Models)

Digital File Interfaces	USB 2.0, email, FTP, Web/Cloud storage (e.g. Google Docs), file folder (for staff & faculty only)
Image Output Formats	PDF, JPEG, PNG and TIFF rich text and searchable PDF (optional)
Audio Output Formats	MP3 audio text-to-audio (optional)
Printer Interface	10/100/1000 megabit Ethernet or USB 2.0
Printed Output Formats	8.5 x 11", 11 x 17", simplex, duplex, color & 13 x 19" monochrome (printer not included)
Image Treatment Functions	Split pages (left & right), clip, crop, change brightness/contrast, change resolutions (dpi), select color, grayscale, or B&W

- Copy two face-up, full-color pages with a single touch
- Create full color electronic images and/or paper copies
- Review electronic images *before* saving or printing copies
- Collate by dragging images into proper order with your fingertip
- Select file formats such as PDF, JPEG, PNG, TIFF, even MP3 (audio)
- Simply place your smart device on KIC's optional SmartDock and with just two touches, you are ready for very high-speed transfer.
- Sending scanned images via email is also fast and easy with hot-keys that are pre-programmed with your institution's base email address.
- Output to Google Docs / Google Apps for Education and other cloud-based tools can also be simplified with pre-programmed hot-keys.
- Insert a USB flash memory device and KIC auto-selects USB output.

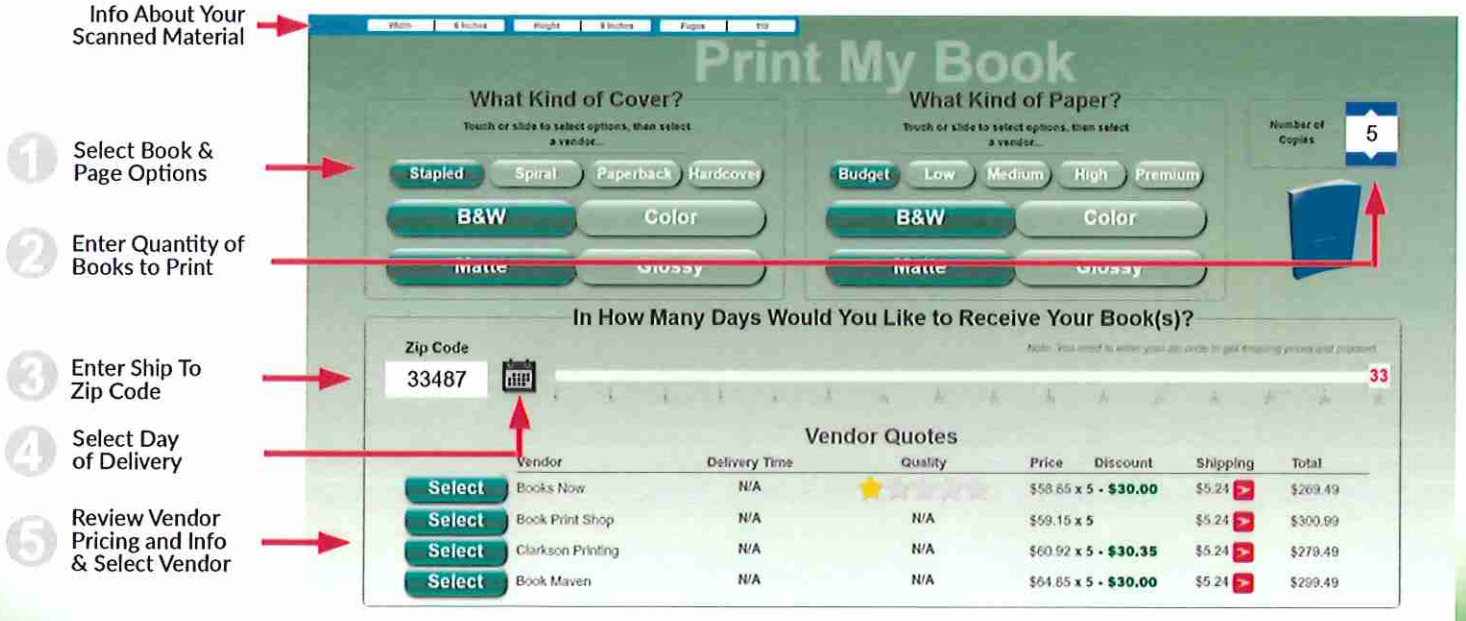
POD SCAN & PRINT BOOKS ON DEMAND

Bring New Patrons to the Library with Print on Demand Made Easy

Print Books On Demand

Printing books has never been easier! With KIC's new Print On Demand functionality, patrons can quickly and easily order printed books of photo albums, scrapbooks, photos, recipe cards, book excerpts, loose papers, newspaper & magazine articles, and more.

Clip, crop, rearrange pages and then choose the kind of book, pages and quantity desired. Order your original book(s) using KIC's simple "shop-online" interface to find the best value and pay with your credit card. Your books will be printed, packaged and shipped to you within days!



POD Print Books On Demand

Using KIC and its POD Function, Your Patrons Can Quickly and Easily Order Printed Books of the Materials They Scan and edit.

Printing books has never been easier! With KIC's new Print On Demand feature, patrons can quickly and easily order beautiful, printed books of photos, scrap books, photos, recipe cards, book excerpts, loose papers, newspaper & magazine articles, research papers, and more.

Clip, crop, annotate, and rearrange pages. Then choose the kind of book, pages and quantity desired. Order original book(s) using KIC's simple "shop-online" interface to find the best value and pay with a credit card. Your books will be printed, packaged and shipped to you within days.

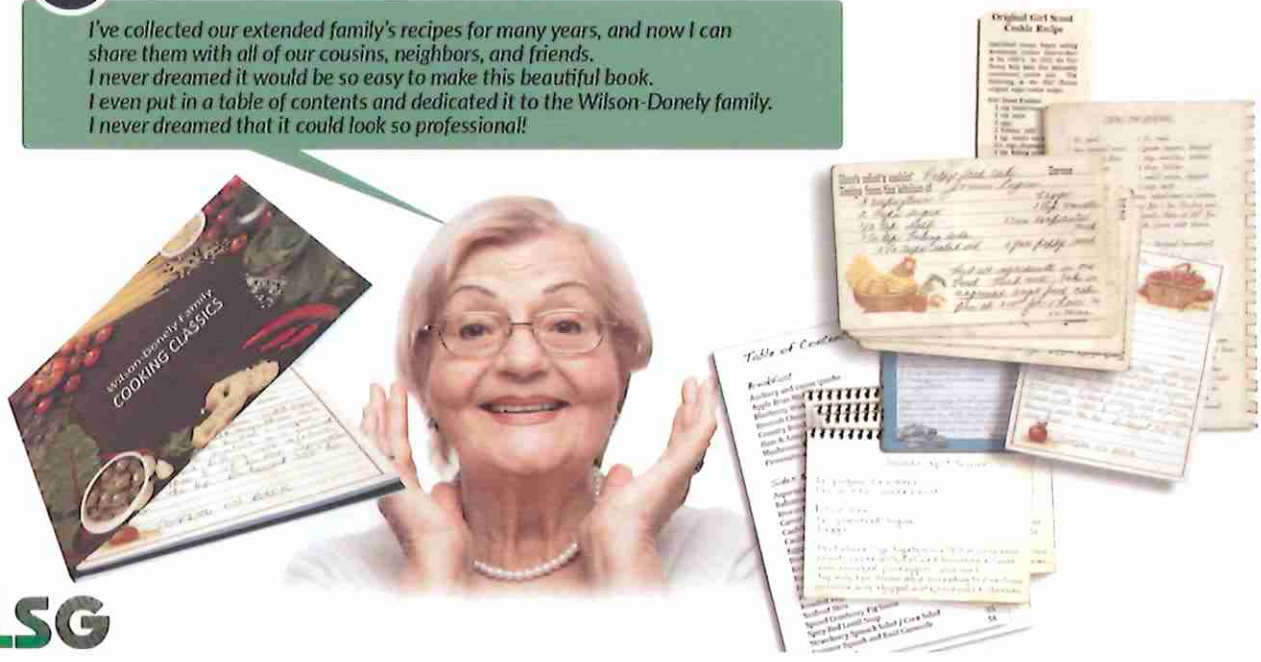
Print Beautiful Bound Copies of Your Thesis

KIC's POD (Print on Demand) feature is a self-serve alternative to the usual thesis printing/binding vendors, using existing KIC systems offered by the university library.

I can't believe how easy it was to order a beautifully printed and bound copies of my thesis right from one of the KIC stations in the library!

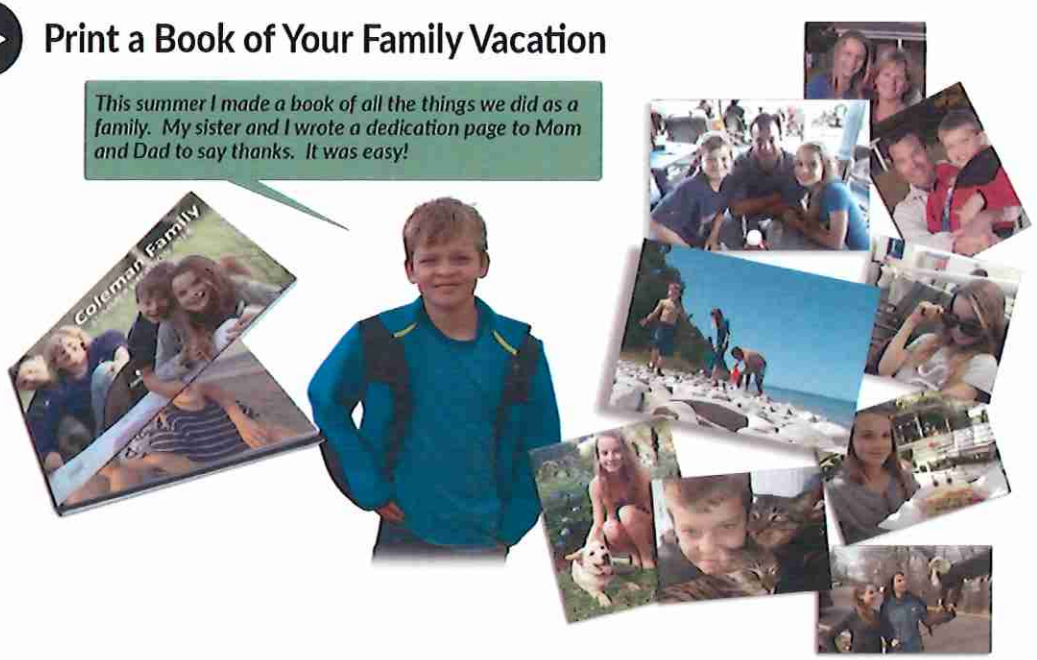
Print an Unabridged Book of Family Recipes

I've collected our extended family's recipes for many years, and now I can share them with all of our cousins, neighbors, and friends.
I never dreamed it would be so easy to make this beautiful book.
I even put in a table of contents and dedicated it to the Wilson-Donely family.
I never dreamed that it could look so professional!



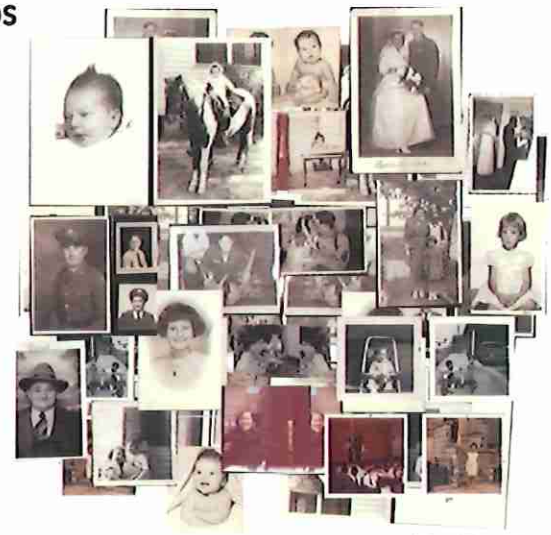
Make a Coffee Table Book of Photo Collections

Print a Book of Your Family Vacation


This summer I made a book of all the things we did as a family. My sister and I wrote a dedication page to Mom and Dad to say thanks. It was easy!
Coleman Family

Print a Photo Album of Old Family Photos

Scan your family photos on a KIC scan station and save them from fading and decaying. Annotate, clip, crop, add subtitles, dates, names, and comments to preserve your family history for future generations. It can all be done in a few hours at your public library with KIC's POD feature - Print on Demand!



Digital Library Operating System

Digital Library Operating System

- ☑ SAW - Simplified Acces to the Web
- ☑ Personal Documents Archive/Organizer
- ☑ My$ - Personal Finance/Budget Tool
- ☑ $5 Computer in the palm of your hand

Not everyone is comfortable using computers to find what they need. DLOS gives users with very little, or no experience using browsers a simplified view where they can touch a visual representation of the information they seek.

Each DLOS screen provides helpful pointers and encourgament as the user views links to important information on a wide variety of topics.

For example, patrons can touch the DLOS screen to see a local bus or rail schedule, watch a video to learn about community services available to them, apply for healthcare insurance, print tax forms, write local or state officials, safely store personal documents, access email and social media and much more!

What is SAW?

DLOS (the Digital Library Operating System) includes Simplified Access to the Web, or **SAW.** SAW puts librarians in control, allowing them to set up simplified access to internet sites that provide services that meet the needs of their patrons.

A public librian is often keenly aware of the kinds of problems and needs their community is most interested in addressing when they come to their local library. It makes sense to put tools in the local librarian's hands that allow them to customize internet access screens to best serve their local community's needs.

SAW makes it easy for librarians to design customized access to websites that they can group together under specified titles and even add "librarian assitance" comments to offer a convenient and productive experience for library patrons. Librarians can also choose to share their SAW configurations with other librarians using SAW Commons.

Choose All-in-One Touch Screen DLOS stations, or access DLOS from a standard PC.

Simplified Access to the Web

The most compelling feature of SAW is that it allows the library administrator to provide the access points, custom descriptions, and helpful text for each of the DLOS screens. Here are just a few examples of access points that the local library community might identify as useful to various demographics among their patrons:

HOMELESS SUPPORT
- Caring Kitchen
- Homeless Shelters
- Veteran Support
- Clothing & Hygiene

HEALTH INSURANCE
- Affordable Care Act
- Medicare
- Medicaid

FINANCIAL ASSISTANCE
- Welfare
- Food Stamps (EBT)
- Homeless Assistance
- AVDA (Aid to Vicitims of Abuse)
- Soup Kitchens

RECOVERY SUPPORT
- Substance Abuse Hotline
- Divorce Recovery
- Grief Recovery

JOBS / EMPLOYMENT
- Local Job Listings
- Resume Builder
- Volunteer Opportunities

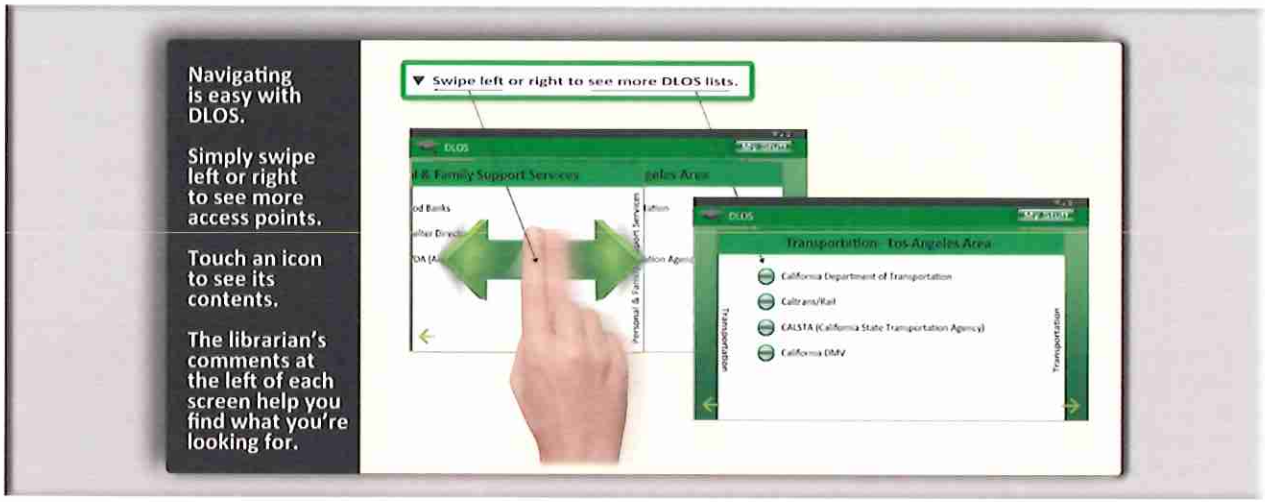
HEALTH & FITNESS
- Parks & Recreation
- Find a Doctor
- Find a Hospital
- Find a Health Club

FAMILY SUPPORT
- Planned Parenthood
- Aftercare
- Summer Camps
- Find a church
- Local Activity Calendar

TRANSPORTATION
- Train Schedules
- Bus Schedules
- Free Shuttle Services
- DMV

Simplified Access to the Web

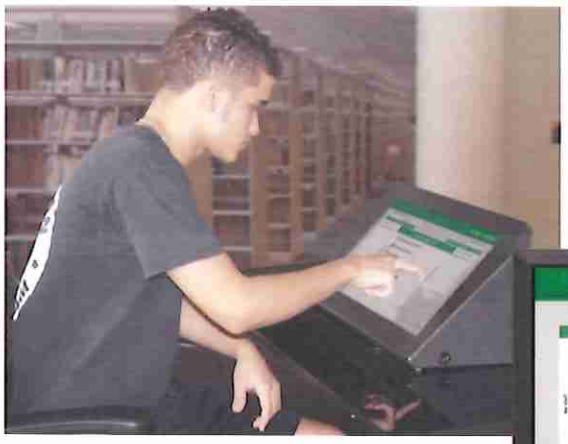
SAW's large touchscreen makes it easy to browse through subjects. There's no need for a keyboard or a mouse. Just touch and swish through a revloving carousel of topics and touch any topic of interest to get immediate access to detailed information as well as helpful suggestions from library staff to help you find what you're looking for.


Navigating is easy with DLOS.
Simply swipe left or right to see more access points.
Touch an icon to see its contents.
The librarian's comments at the left of each screen help you find what you're looking for.
Swipe left or right to see more DLOS lists.
DLOS
Transportation - Los Angeles Area
California Department of Transportation
Caltrans/Rail
CALSTA (California State Transportation Agency)
California DMV

For libraries that offer DLOS systens, the libary staff has full control over the speicifc topics, website links and suggestions, so content varies based on location, but here are some examples of how patrons use SAW:

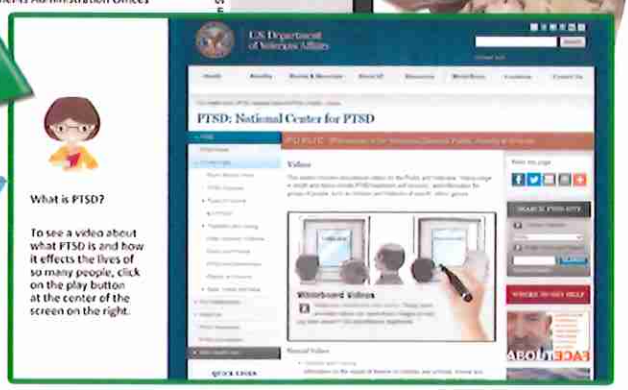
Veteran Support in the Los Angeles Area

"DLOS SAW helped me learn more about PTSD and find a local couselor. I also found an LA Veteran Support Group that meets within a mile of my home. These tools are right here in the library, and it's great to know that someone cares and that these services are available to anyone in need."



MY STUFF
Veteran Support - Los Angeles
Los Angeles Veteran Center
West Los Angeles Veteran Center
What is PTSD? (video)
PTSD Treatment Outpatient Clinic
Veteran Support Groups in Los Angeles
Veteran Benefits Administration Offices

The text under the friendly librarian icon is fully customizable by you, the librarian, providing you with an easy means of adding encouraging and informative commentary that is specifc to the URL the patron selected.


What is PTSD?
To see a video about what PTSD is and how it effects the lives of so many people, click on the play button at the center of the screen on the right.
PTSD: National Center for PTSD

Simplified Access to the Web

Employment Assistance in Hoboken, NJ

DLOS
Unemployment Help Center
How to write a Resume
Local Job Fairs
Jobs Assistance for the Elderly
Jobs Assistance for Disabled
Jobs Assistance for Veterans
Hoboken Job Listings
The Arc
Project HIRE
Arc of New Jersey's ct HIRE assists ts with disabilities to integrated employment opportunities in their area
Call Frank DeLucca for immediate assistance. Frank is a friend to our library, and his office is very close by. You can email him or call him any weekday between 9am and 5pm at
Phone: 732-346-0505 x22
Email: fdeluca@arcnj.org

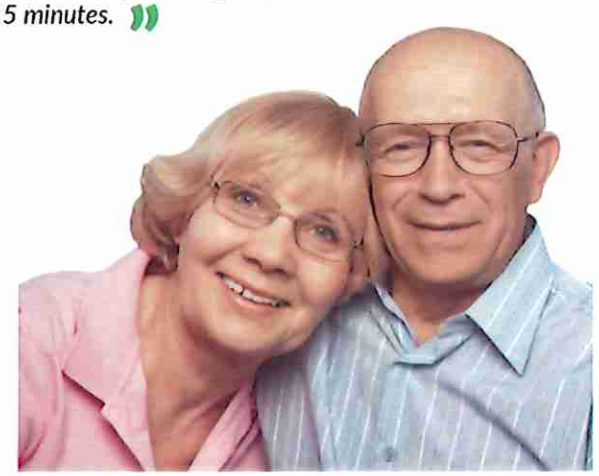
"I am dissabled, and when I was laid off from my cashiers job at a local supermarket last summer, I went to the library to find out about government assistance for living expenses while I looked for a new job. The librarian showed me to a DLOS station, and I was surprised not only by how many employment assistance and support programs where available right here in Hoboken, but at how easy DLOS makes it to learn about them."

Simplified Access to the Web

Medicare Application Assistance

"My husband and I are both 64, so I did a little research while I was at my local library. The DLOS application there made it easy for me to find out how simple it is to apply for Medicare Benefits. What I thought was going to take days took just about 15 minutes."

Social Security
Apply for Benefits
Apply Online for Retirement/Medicare Benefits
Video Introduction
Getting Ready
Apply & Complete
Follow Up
You can apply online for Medicare even if you are not ready to retire. Use our online application to sign up for Medicare. It takes less than 10 minutes, in most cases, once your application is submitted electronically you're done.
There are no forms to sign and usually no documentation is required. Social Security will process your application and contact you if we need more information. Otherwise, you'll receive your Medicare card in the mail.
Click on the "Start a New Application" button on the page to the right.



DLOS

Digital Library Operating System

SAW Commons

Simplified **A**ccess to the **W**eb

A Colaborative Tool for Librarians Across the Nation

What is SAW Commons?

SAW Commons is a powerful feature that leverages the collective knowledge and insights of librarians all over the nation. It is a colaborative space online where librarians post their SAW listings so that they can be shared with other librarians nationwide. SAW Commons is a feature that works with SAW, Simplified Access to the Web. Both the SAW and SAW Commons screens are show below.

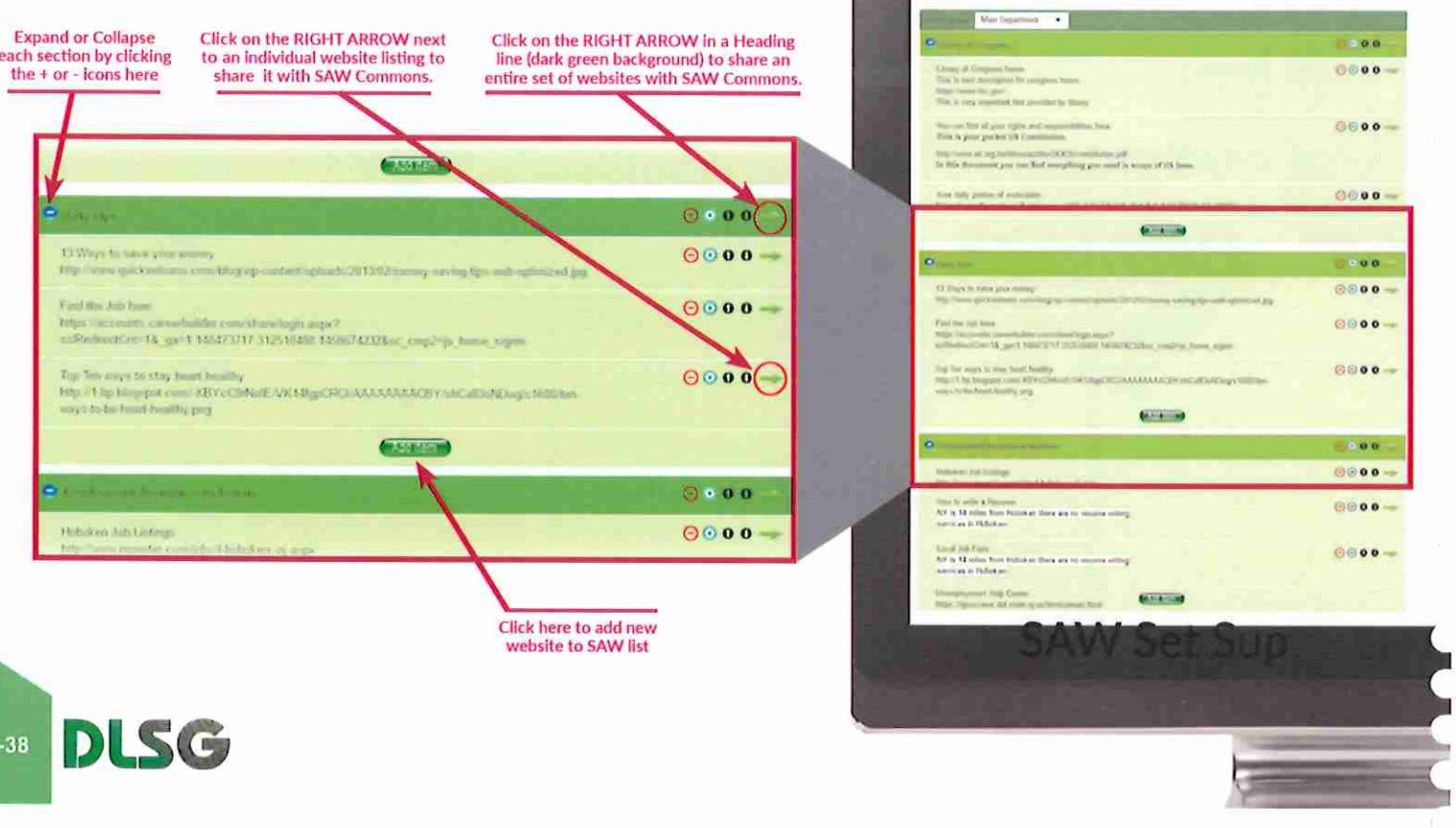
Anything listed in SAW (on the left side of the screen) can be copied or shared with SAW Commons (on the right side of the screen). Using this common space, librarians can work together to provide better, simpler and faster access to various service and educational information for their patrons and patrons for other libraries acrros the nation.

Librarians can choose to share their SAW website collections and commentary in part or completely by selecting some or all of their SAW websites and porting a copy to SAW Commons with a single touch. Share and unshare at will.

Your SAW librarian comments are included when you elect to port your SAW listing to SAW Commons!

Sharing Your SAW Listings is Easy! Here's How SAW Commons Works

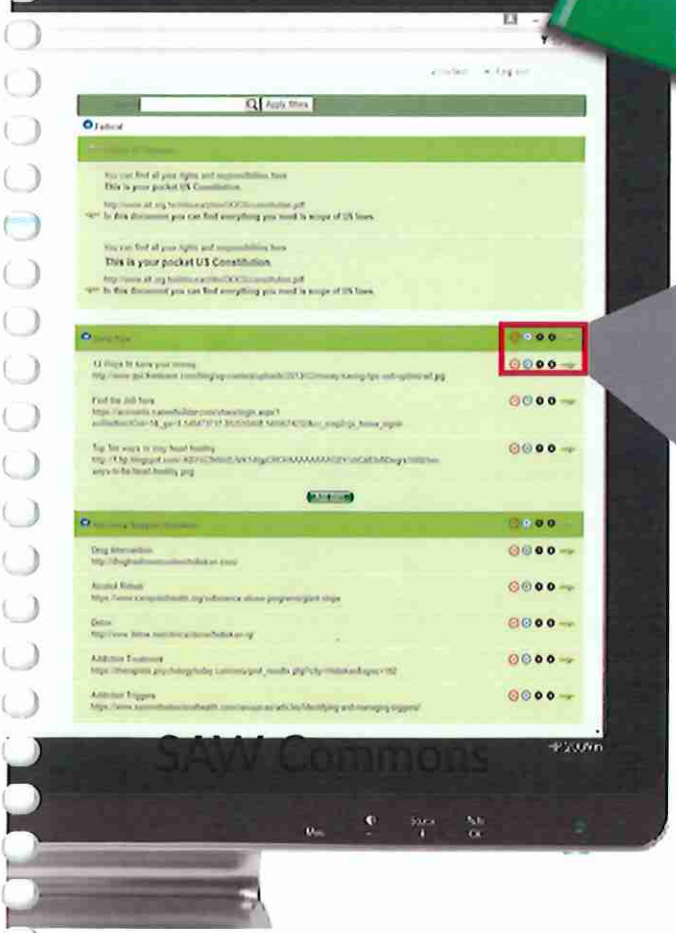
Select one or more listings and click on the green right-arrow icon. This will move a copy of your SAW listing to the SAW Commons area on the right side of the screen.


Expand or Collapse each section by clicking the + or - icons here
Click on the RIGHT ARROW next to an individual website listing to share it with SAW Commons.
Click on the RIGHT ARROW in a Heading line (dark green background) to share an entire set of websites with SAW Commons.
Click here to add new website to SAW list
SAW Set Up

Librarians Across America Cooperating to Bring Better Service to Patrons

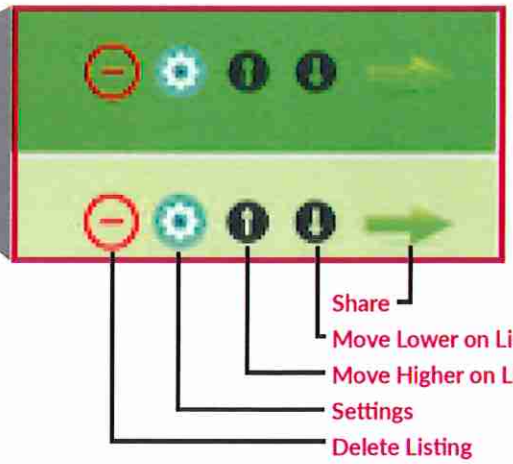
Librarians are frequently asked the same questions across America. Common questions like "Where can I find support services for veterans?", "Is there anything on the Web to help me file my taxes?" and "I'm retiring soon. Can I learn about Medicare on the Web?" are asked on a regular basis. Questions about federal services and information are also common to all American libraries. The same applies to states, counties, coastal areas, areas suffering from the same extreme weather, etc.

DLOS Simplified Access to the Web can answer these questions, and SAW Commons is an easy to use national database of Web sites and helpful hints that librarians across America can contribute to and draw from to create their own local SAW system to best serve their own local patrons.



Simplified Access to the Web

SAW Commons is part of the DLOS (Digital Library Operating Sytems) suite of products providing simplified internet access for public library patrons.



Digital Library Operating System

Personal Documents Archive/Organizer

Digital Library Operating System

DLOS MyDocs

MyDocs Personal Documents Archive/Organizer

- ☑ Affordable
- ☑ Secure
- ☑ Accessible
- ☑ Easy to Use

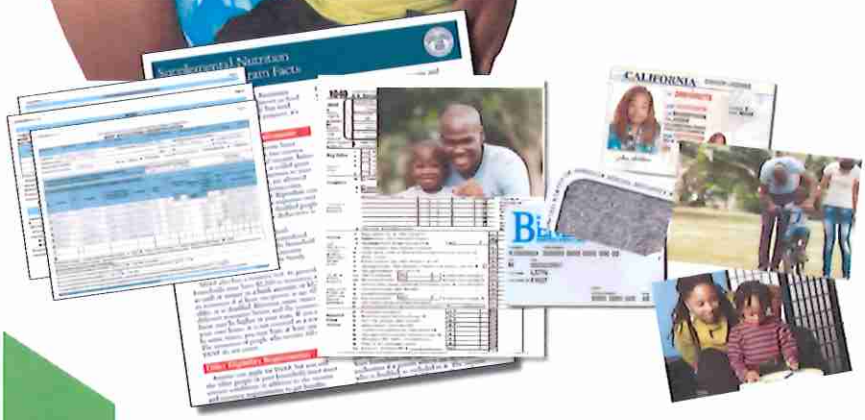
DLOS helps libraries reach out the local community with products that are useful and accesible to even the most timid users.Even those very unlikely to consider using a personal computer can be drawn in by DLOS' friendly, simple interface.Learning something new in the supportive, stress-free environment of a local library can both be engaging and productive.

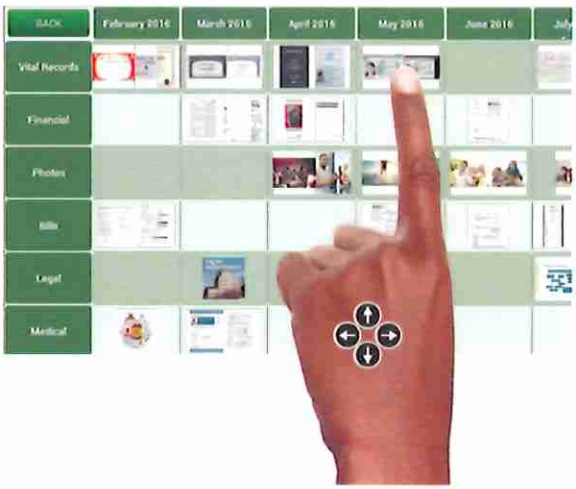
DLOS works hand-in-hand with our KIC patron-use scanning systems to capture, organize and maintain important personal documents. Birth certificates, passports, diplomas, legal documents, tax forms and financial information are examples of things that can be easily scanned using a KIC patron-use scanning system, stored on a USB thumb drive and accessed, organized, backed up, faxed and printed at a DLOS station in your library.

I Feel Good Knowing That My Important Legal and Personal Docments are Safe and Completely In My Control

I took my important family documents, medical records, financial paperwork, and even my social security card and drivers license to my local library and used the KIC station there to scan everything to my DLOS MyDocs USB. Now I know it's all safe and easy for me to find anytime I need it.

I use MyDocs at the library to manage all of our family photos and everything that my son makes for me in preschool.





PERSONAL INFORMATION	LEGAL DOCUMENTS	FINANCIAL INFORMATION	LIFE
Birth Certificates	Lease Agreement	Tax Forms	Images of Print Photos
Marriage License	Loan Agreement	Bank Statements	Children's Art
Diploma / GED	Court Orders	Bills	Recipes
Passport	Association Bylaws	Receipts	School Materials

My Personal Documents Are
At My Fingertips !!

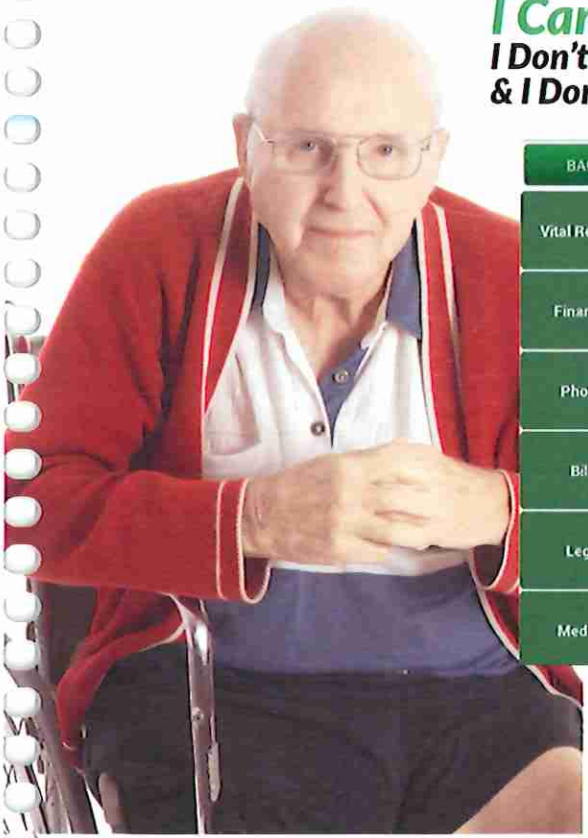
I misplaced my drivers license on the morning of a job interview! So I just stopped by the library, plugged MyDocs USB into the nearest PC, printed a copy and made it to the interview on time!

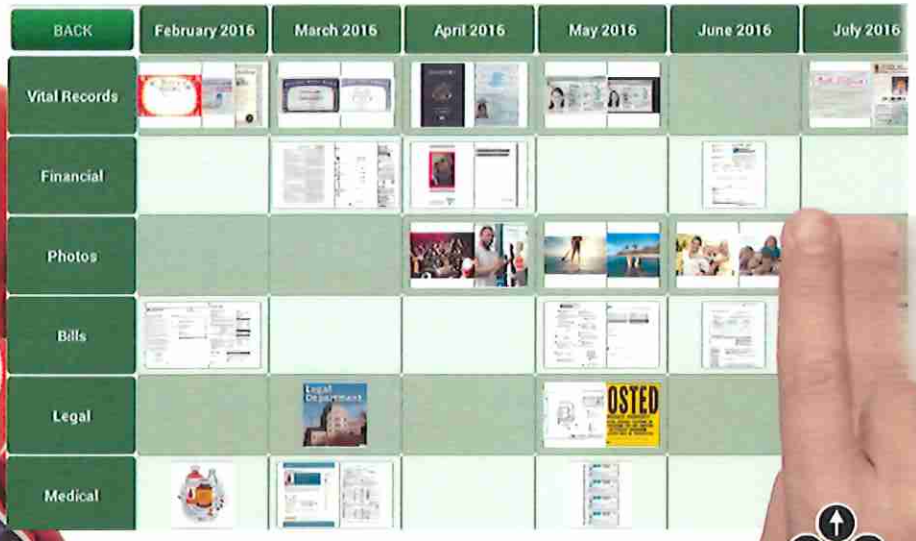
MyDocs is a real lifesaver!

DLOS

Digital Library Operating System

I Can Find My Documents Visually
I Don't Have to Know Much About Computers & I Don't Need Anyone's Help to Use MyPC





Swipe up/down and left/right to move through almost 1,000 pages of your personal documents and find any document faster than ever before.

MyPC - Turn any USB Thumb Drive into a $5 Computer

Plug a USB Thumb Drive into a DLOS PC and it instantly becomes your very own personal computer. It remembers your browser cookies and browser history. Your documents and photos become instantly accessible and can be viewed, organized, faxed and printed via an interface that is designed especially for the technically timid. Information created/gathered and managed by DLOS applications such as My$$ is stored in an area called My Stuff.

DLOS

Digital Library Operating System

MyPC for Just $5

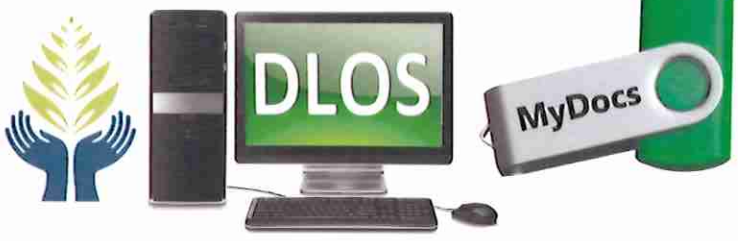
- ☑ Affordable
- ☑ Secure
- ☑ Accessible
- ☑ Easy to Use

With a USB Flash Drive to Hold All Personal Information, Including Web Broswer Cookies, Personal Documents & Photos, a Single DLOS Station Can Serve as the Private PC for Hundreds of Library Patrons

USB Flash Drive = MyPC

Our library's DLOS stations are great, and with a USB flash drive, any DLOS station becomes my own PC.

- ☑ Helps me find important information on the Web
- ☑ Helps me organize my documents, photos, and my budget
- ☑ Gives budget tips and actually helps me reach my spending and savings goals
- ☑ Remembers my browsing cookies
- ☑ Works great with KIC Scan/Print/Fax stations



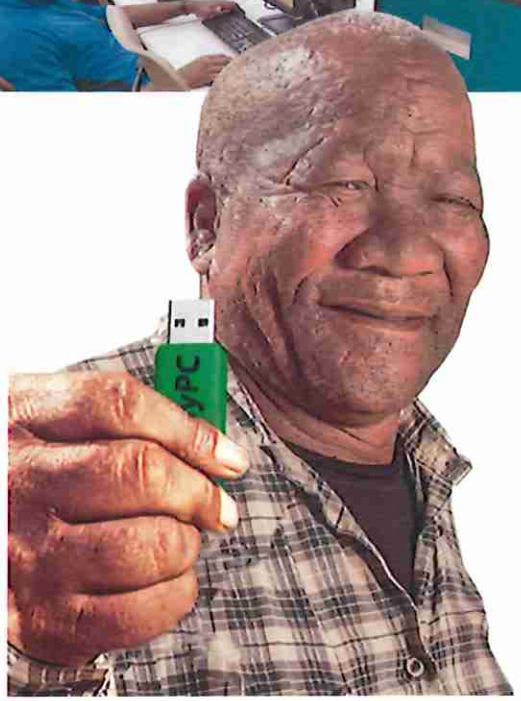
I never really though about owning my own PC

because it was never in my budget, but now I can't see doing without one.

I didn't know much about computers, but when my local library let me know that all I needed was a USB memory stick, that got me interested in finding out what I could do with one. Now all my important documents are on my keychain, and any time I need them, I just go to the library.

Digital Library Operating System

With a USB Flash Drive to Hold All Personal Information, Including Web Broswer Cookies, Personal Documents & Photos, a Single DLOS Station Can Serve as the Private PC for Hundreds of Library Patrons



Digital Library Operating System

My Own PC for $5 !

I insert my USB thumb drive and BAM! - any library PC becomes MY PC!!

Our local librarian showed me how to save the tax forms for my business and my insurance paperwork so I can get it anytime I need to.

I'm using the budgeting tools on the PCs at the library to set a personal budget goal to help pay for my grandson's college. I'm also going to show my grandson how to use DLOS and KIC when he gets a little older.

KAT Stacks View

Knowledge Access Toolkit, the Best Way to Promote the Stacks to Students

Your Library's Greatest Assets are Finally in the Spotlight in the Digital World that Patrons Understand

KAT includes images of all your library's stacks, so it's easy to browse the stacks on any smart device just by swiping the screen left or right.

For a dozen years, this shrinking patron appreciation of the immense value in their institution's library's print collections has been a big problem that no one wants to talk about. The most common and most effective methods used to get the digital generation to try something different is to use lots of visuals. Just as restaurants publish images of their dining areas and their menu items online, with the introduction of KIC Stacks View, libraries can now make images of their stacks and bibliographic records available visually online as well.

The digital age has brought with it many changes, most desirable, some less so. When students enter higher education, they naturally expect far greater sophistication than they experienced in high school. To them, that means that everything that can be digital, should be digital. It is not obvious to them that the great value in the vast print collections in their college libraries is in the content. They probably don't know that it's cost prohibitive to purchase a digital version of every print item. Their appreciation of the library's stacks must be built from scratch. The best starting point ... their digital world.

Stacks View Screen

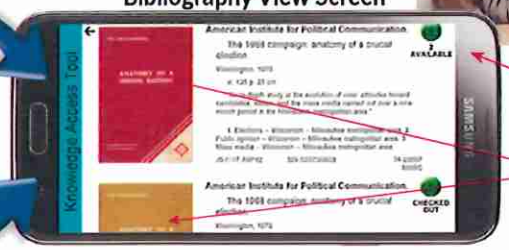
Patrons can view any shelf of your entire print collection with KAT, virtually.

Patrons expect libraries to be digital. Their expectations are not about efficiency, effectiveness or cost. They are simply common digital age assumptions.

Search Screen

Use KAT's Library Search screen to find a book by keyword, title or author, then touch to view bibliographic information for any book in the search results.

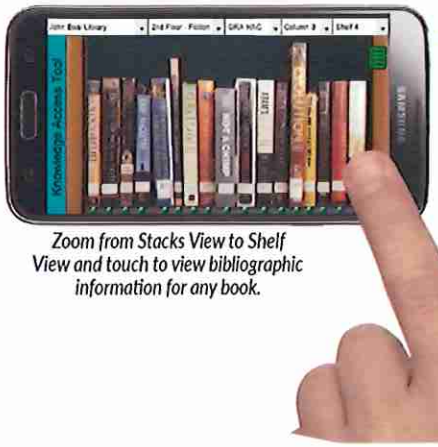
Bibliography View Screen



KAT reports book availability if supported by your ILS

KAT displays book cover images when available

Shelf View Screen



Zoom from Stacks View to Shelf View and touch to view bibliographic information for any book.

Local High School Teachers Can Create a Recommended Reading List

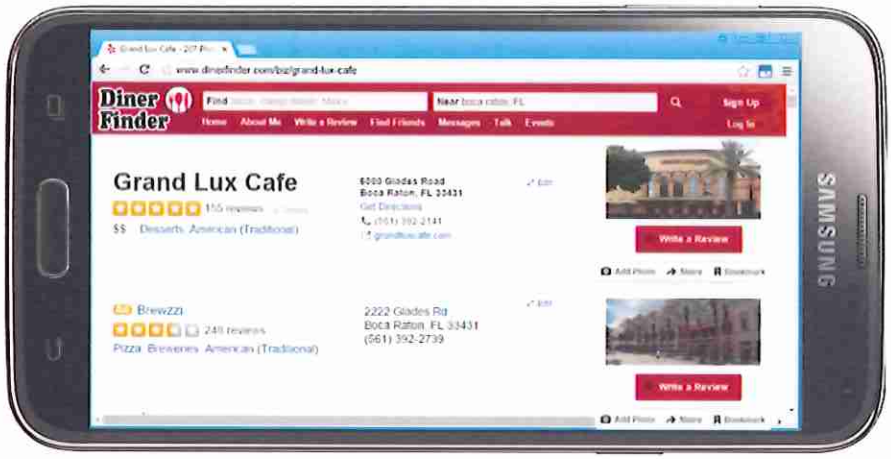
Professor: G. Patterson
World History

Faculty selects volumes and KAT does the rest.

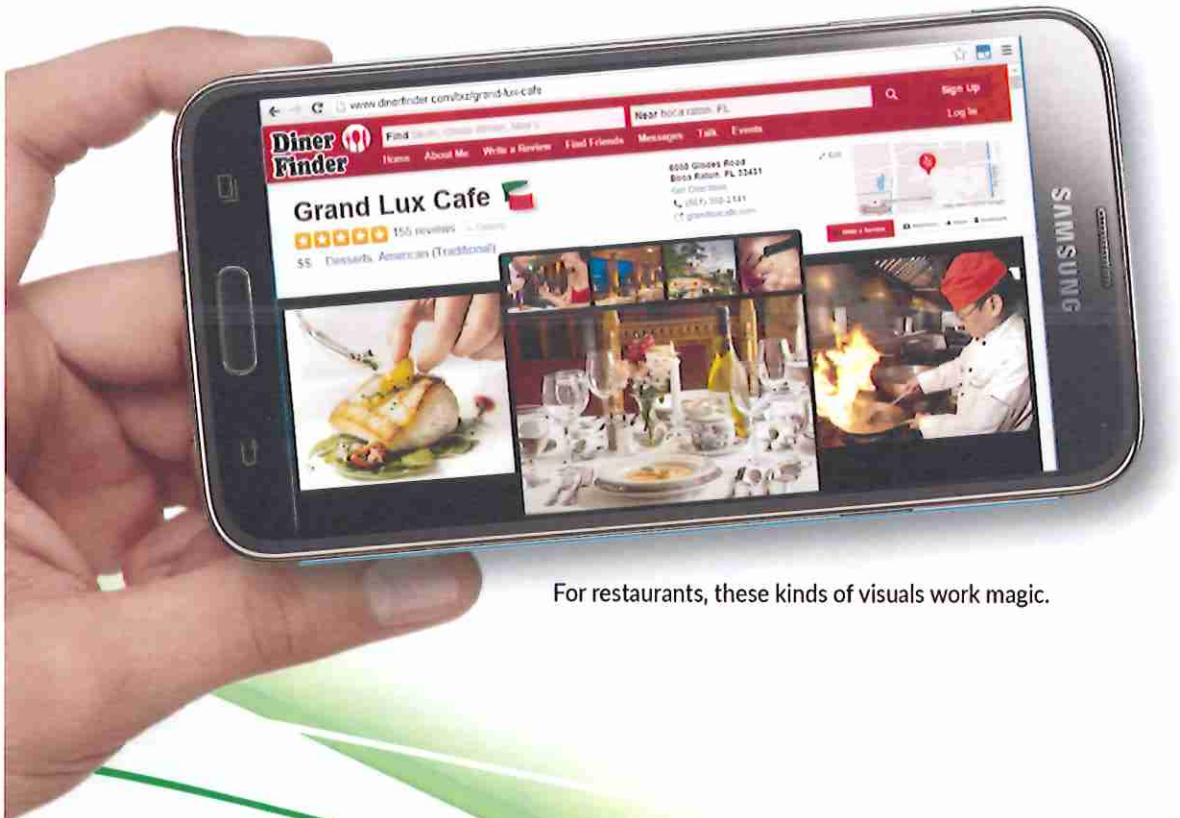
DLSG

A Picture is Worth a Thousand Words ...

The undeniable power of imagery is frequently seen in action in the digital age, with the 'venue' of preference being the ubiquitous smart phone.



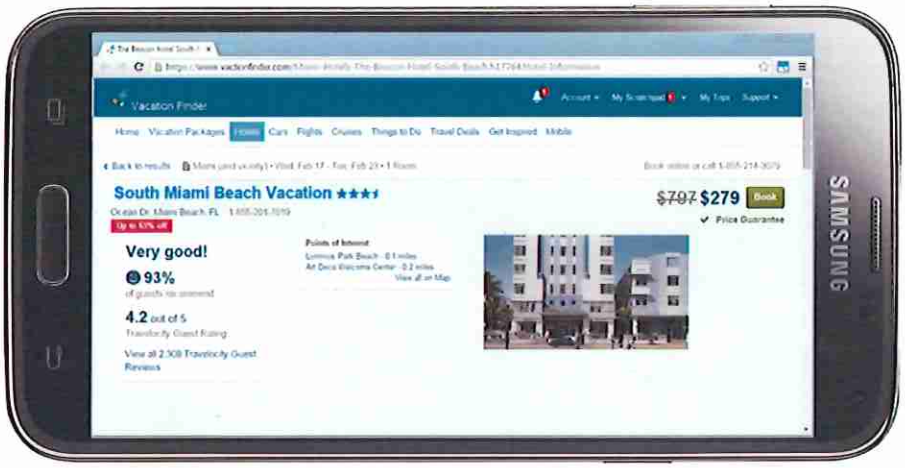
For example, restaurants must either have huge national advertising campaigns, like McDonald's and Chipotle, or they must give their potential patrons visual experiences via TV & the Web that are as close to being at the restaurant as possible. The deluge of imagery helps people visualize themselves at the restaurant, and that visualization triggers a degree of comfort in going there.



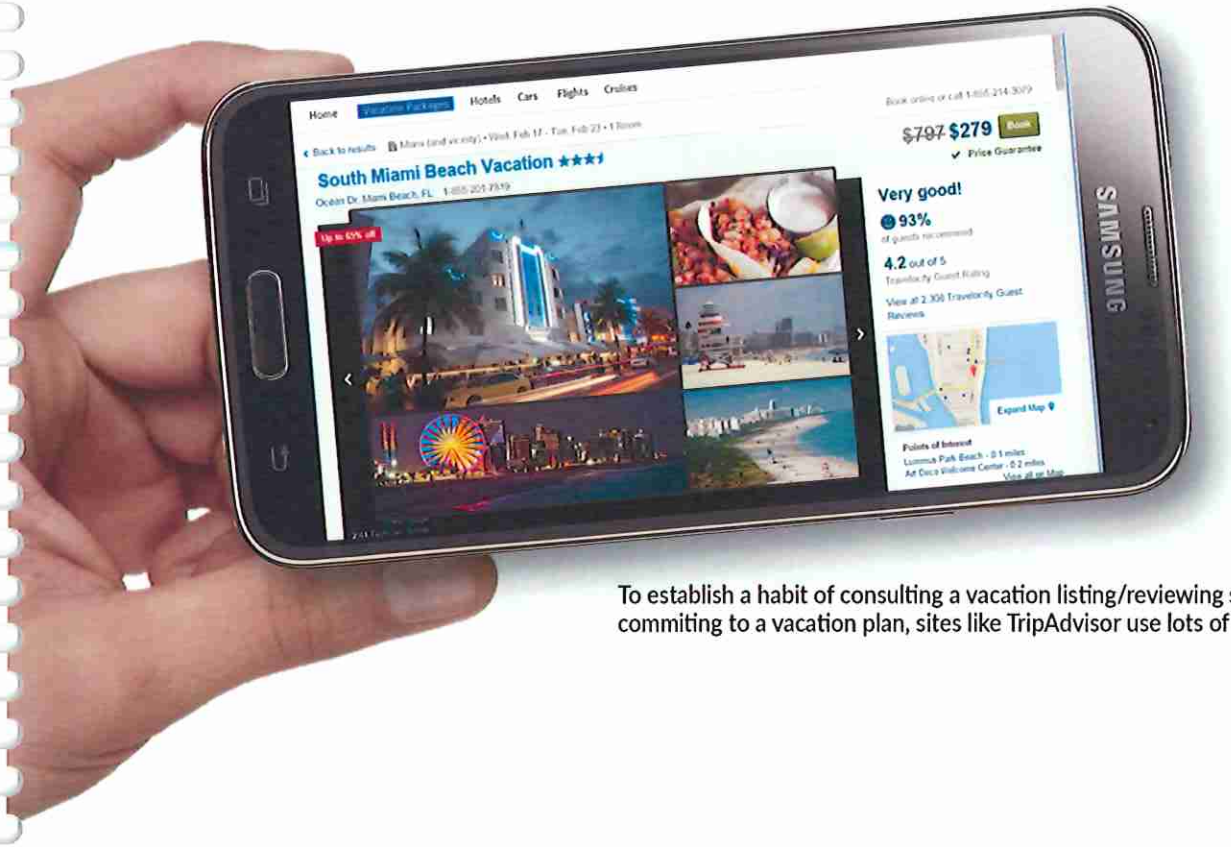
For restaurants, these kinds of visuals work magic.

... Sometimes Thousands of Words

It can be very difficult to make new healthy habits. Many of today's Digital Age citizens are not in the habit of visiting their local libraries. Perhaps it would help if they could see the stacks on their smart devices...



Advertising with minimal imagery, like the vacation destination listing above, attracts only the most adventurous vacationers and people that have already been encouraged by friends or family. Getting people to habitually consult a vacation planning site and to try new vacation destinations without recommendations from friends and family requires a lot more visual support than shown above.

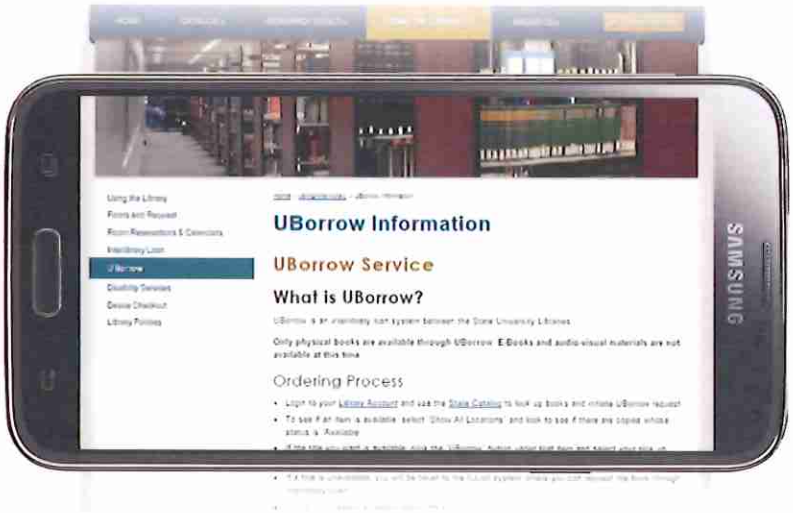


To establish a habit of consulting a vacation listing/reviewing site before commiting to a vacation plan, sites like TripAdvisor use lots of appealing imagery.

Without Imagery of Your Stacks ...

Without great imagery to help, it is a big challenge convincing students that your print collections are a huge knowledge reserve. Students need to know 1) the number of books in your collection, 2) that they cannot find all the information and knowledge they need on the Internet; 3) that over half of the content in their libraries' print collections is not available on the Internet; and 4) that their education will be broader and deeper if they utilize their libraries' print collections.

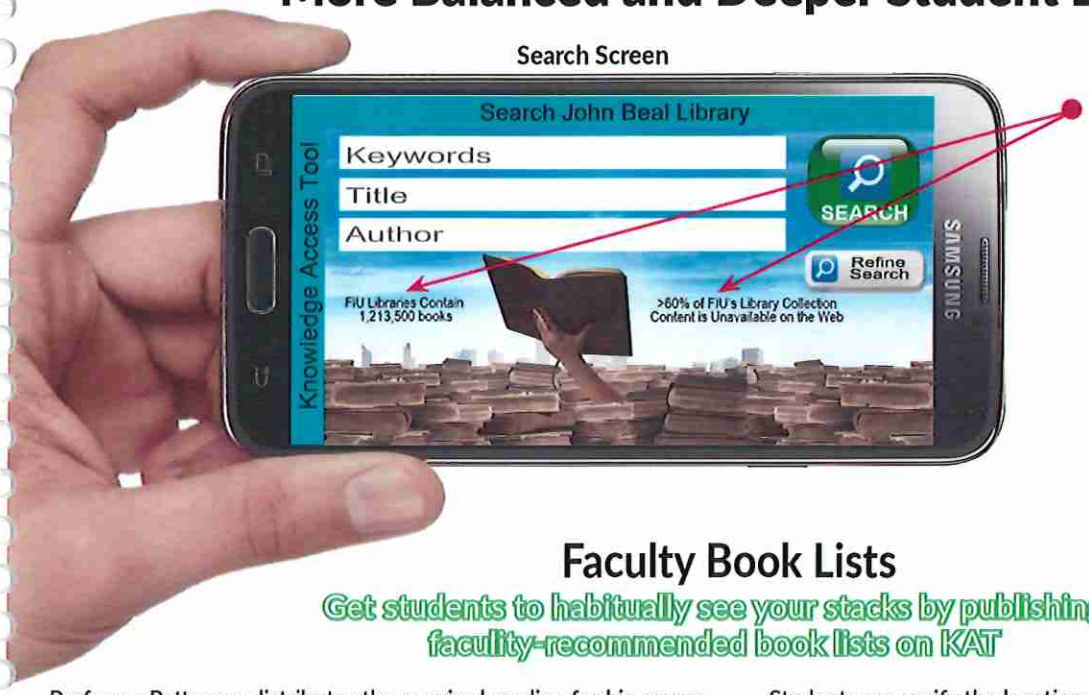
FIU's Web-based Information About their Stacks and How it is Presented:



The web page above is professional and informative, but it lacks the dynamism and ongoing utility needed to become a "habit". By combining searchable bibliographic information with complete, browsable images of your stacks, faculty recommended book lists and a reservation system for your KIC stations, KAT is habit-forming.

If students don't habitually see the stacks, they won't regularly think about the stacks. If students don't know about the stacks, they won't go to the stacks. KAT Stacks View is the most efficient and effective way to get them to see the stacks without first going to the stacks.

Promote Your Print Collections as the Key to More Balanced and Deeper Student Education



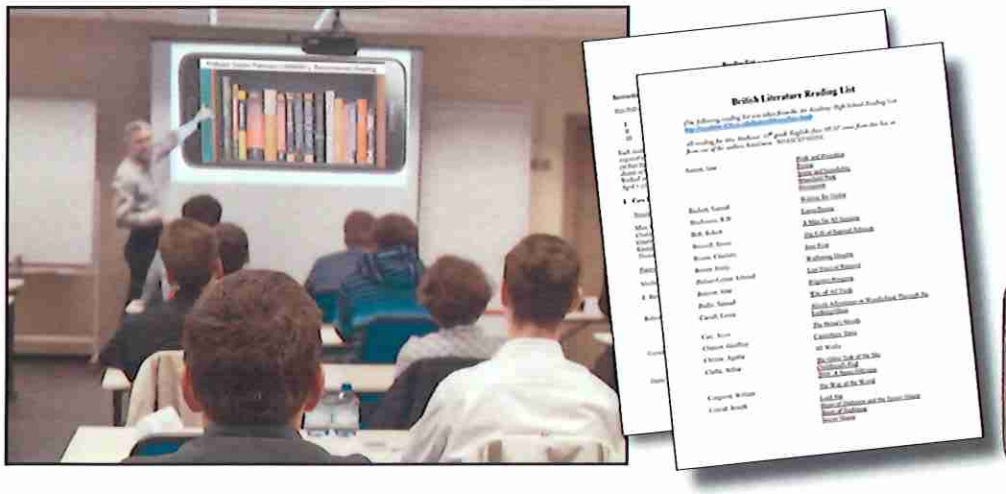
Choose the text that goes on KAT's Search screen and deliver important messages to your student and faculty patrons in context where it makes the most impact and at the moment when they can appreciate it most.

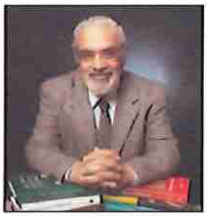
Faculty Book Lists

Get students to habitually see your stacks by publishing faculty-recommended book lists on KAT

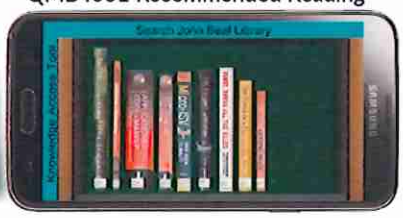
Professor Patterson distributes the required reading for his course to students electronically. His book selections are in the library and viewable from KAT Stacks View.

Students can verify the location of the books selected and reserve a scanning station in their library to scan excerpts for their course work, all within the KIC Stacks View application.





Professor Gordon Patterson
QMB4061 Recommended Reading



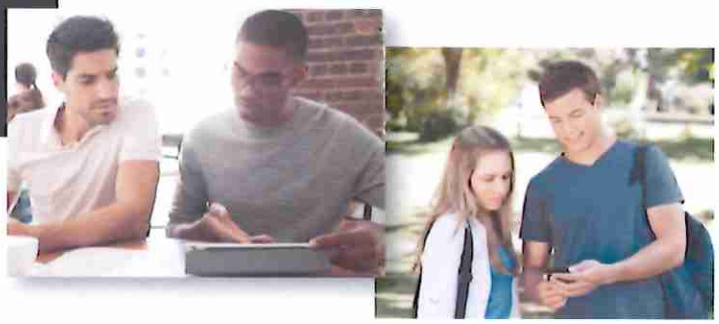
Search Bibliograhic Database on Any KIC System

Just about every PC, tablet and smart phone provides access to Google, Wikipedia, etc. Your stacks should be just as accessible!

KIC systems can also be configured with KAT, so even students who don't have a smart phone or tablet can search your stacks from any KIC system your library owns.

Promote Your Print Collections with KAT Stacks View

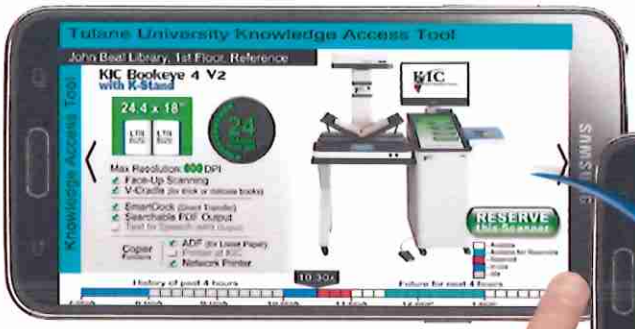
With KAT Stacks View, students can use any smart device to "visit" your stacks from anywhere, even collaborate over which books might be helpful. Then they can reserve a KIC system for scanning excerpts and go to the library to get the book(s), scan some pages, and maybe browse for more books, with the bibliographic records readily accessible.



KIC & KAT Go Hand-in-Hand

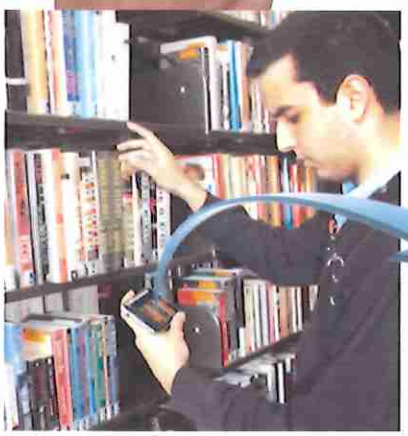
Use the popularity of KIC to promote usage of KAT, which in turn will improve student awareness of the stacks.

KIC Stations View Screen

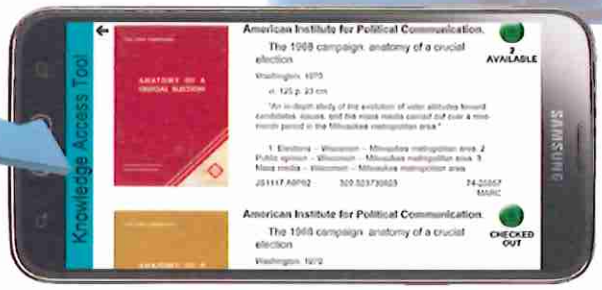


KIC Station Reservation Screen

Students can scroll through the KIC stations at your library to find the nearest KIC station, or the one that best suits their need. Then a simple touch of the "RESERVE this Scanner" button shows the KIC Station Reservation Screen where the student can select the desired reservation day and time.



Students can use KAT as their own personal, portable bibliography search system.


Knowledge Access Tool
American Institute for Political Communication.
The 1968 campaign: anatomy of a crucial election
2 AVAILABLE
American Institute for Political Communication.
The 1968 campaign: anatomy of a crucial election
CHECKED OUT
SAMSUNG

Bibliography View Screen

How DLSG Captures Your Library's Stacks Views

1

CAPTURE SHELF IMAGES

We use a multi-camera digitization system on wheels to capture individual, high resolution images of each shelf in your library.

2

CLIP SHELF IMAGES

Images are all clipped to exactly frame one shelf.

3

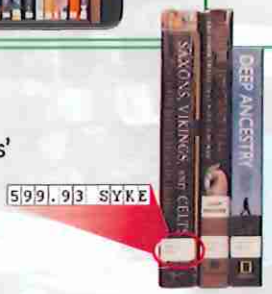
ZONE BOOK SPINES

The books' spines are automatically zoned so that they can be individually selected and their bibliographic data viewed, and so that they can be individually extracted and built into virtual bookshelves of faculty reading lists.

4

OCR BOOK SPINES

The bibliography records' IDs are located and the text extracted and corrected for virtually 100% accuracy.



5

RETRIEVE MARC21 DATA

The library provides its bibliographic data in MARC21 format.

6

ALTERNATE SPINE IMAGE

For MARC21 records without a matching book spine, KAT creates a "CGI" image of the spine and inserts it into the bookshelf.

7

UPLOAD TO CLOUD

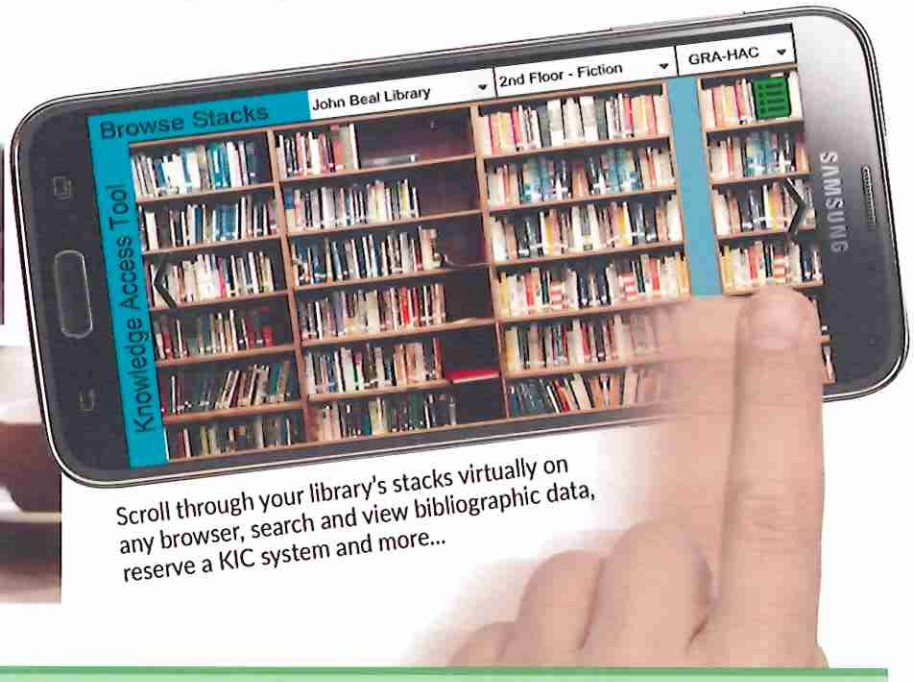
All this book shelf imagery is uploaded to KAT servers in the cloud for fast access.

Book covers are uploaded.

Are your library's print collections getting enough use to justify their cost?

The cost of books and journals certainly hasn't fallen in the past 20 years, and it is likely that the majority of their content remains unavailable on the web, yet students typically don't know this important fact about your print collections.

Before you move too many volumes offsite, let KAT Stacks View help promote increased use of your print collections.



Scroll through your library's stacks virtually on any browser, search and view bibliographic data, reserve a KIC system and more...

KAT Equipment Requirements

KAT is Cloud-based, so no servers or other onsite computers are necessary. KAT can be accessed by any PC, tablet or smart device that has access to the Web.

Powered by Windows Azure

Microsoft Azure
Total Up-Time: 99.9936%
Total Number of Servers: 11,000,000

When a WiFi-connected smartphone is used in the stacks to provide assistance in locating materials, to get instant access to bibliographic records, to search for related materials once a volume has been found, and to locate a KIC system for digitizing content, the WiFi bandwidth used will typically be in short bursts of one megabyte per second.

KAT Activity	Average Download Bytes per Scan	Recommended Min. WiFi Bandwidth
KIC Reservation Screens	0.2 megabytes	0.2 megabytes per second, intermittent
KAT Search Screen & Bibliographic Screens	0.1 megabytes	0.1 megabytes per second, intermittent
KAT Stacks View & KAT Shelf View	1.0 megabytes	1 megabyte per second, intermittent

Digital Age Hybrid Library

HYBRID LIBRARY TECHNOLOGY FOR THE 21ST CENTURY

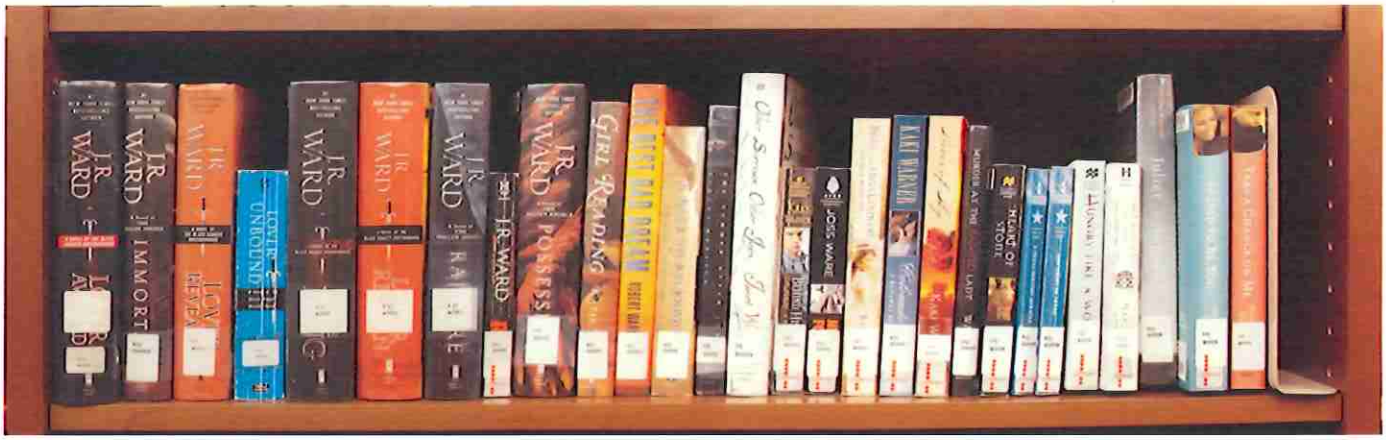
Considering moving a large portion of your collections off-Site?

Most libraries have a lot of volumes that haven't been checked out in a long time, and libraries certainly can increase their relevance in the digital age by adding collaboration and study spaces. So it is rather compelling to cull books from the library.

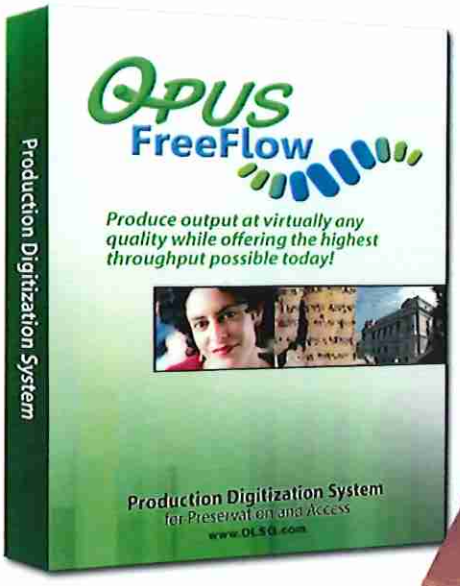
The main argument against culling/moving books off-site is the unknown, but potentially great value that your unabridged collection can have in inciting the very uncommon, but equally special epiphany that a researcher can have while browsing the stacks and perusing the very books that are targeted for culling. The current head of the IMF in Beijing and professor of economics at Harvard University, chose to study economics at Harvard because of its immense collection of books on economics. It's a difficult argument to ignore. However, relevance in the digital age is not easily pursued without compromises.

If your need to repurpose a lot of stacks space outweighs the value of keeping your full collection browsable, then before you proceed with the culling, let DLSG photograph your entire collection as it is today and make it browsable with KAT stacks view. Students and researchers can browse your complete collection virtually, instantly see any book's bibliography by touching its spine, and with another touch, read books that have been digitized.

To Cull, or Not to Cull



OPUS FreeFlow


Production Digitization System
OPUS FreeFlow
Produce output at virtually any quality while offering the highest throughput possible today!
Production Digitization System
for Preservation and Access
www.DLSG.com

Freedom to Digitize Ad Hoc & On-Demand

Photos, Maps, Documents, Books, ...

The Opus digitization process was designed specifically for academic libraries, museums and archives. Use Opus FreeFlow to build digital assets for preservation, archive, digital collections for the Web, and for viewing software. Its image treatment processes such as fan, gutter and book curvature removal, and content location and registration, are dramatically faster and easier to use than photo editing software.

Opus FreeFlow operates a wide array of preservation quality scanners and allows for the import of existing images as well. It allows users to group images into objects (i.e. books), which are easily managed and processed. Finally, it renders those objects into a variety of derivatives.

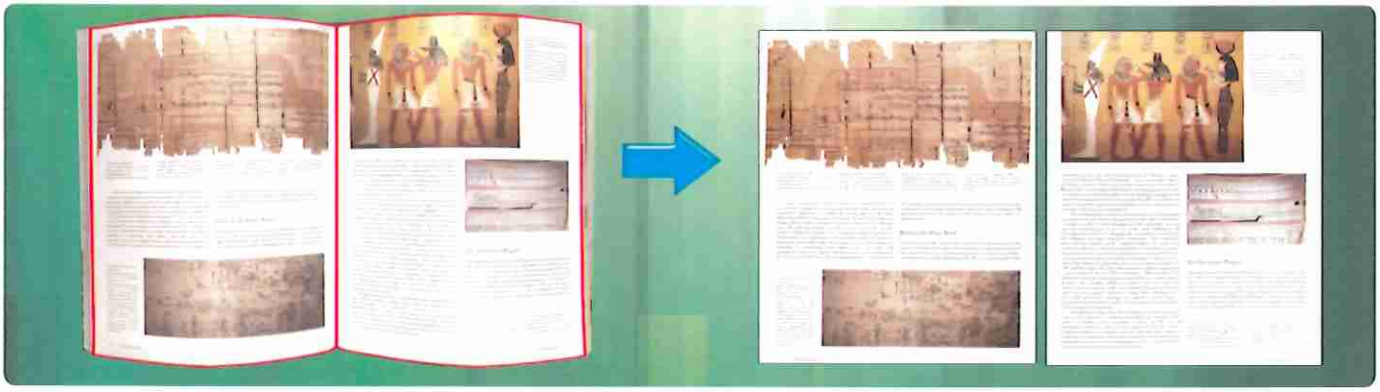
With Opus FreeFlow 4-tab interface, users can switch dynamically between scanning, image treatment and outputting derivatives. Multipage objects can be reopened and reprocessed at any time. Pages can be deleted and rescanned and new pages can be scanned and inserted. Unlimited derivatives can be created with variations in image size, resolution, format and file type.

Opus FreeFlow is fully compatible with Opus Workflow software. While objects are in the middle of the Opus Workflow, they can be opened with Opus FreeFlow for additional scanning, image modification and derivative generation.

No Compromise Treated Images

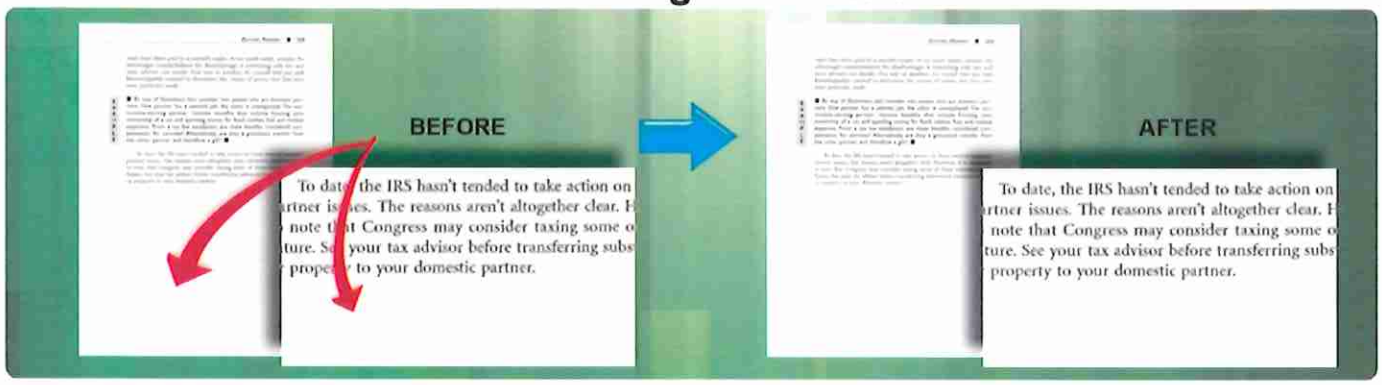
Here are a few examples of the kinds of auto-image treatment included, ...

Curve Correction



Finger Image Removal

Bleedthrough Correction



Creation / Selection of Templates

Scanning Two Up

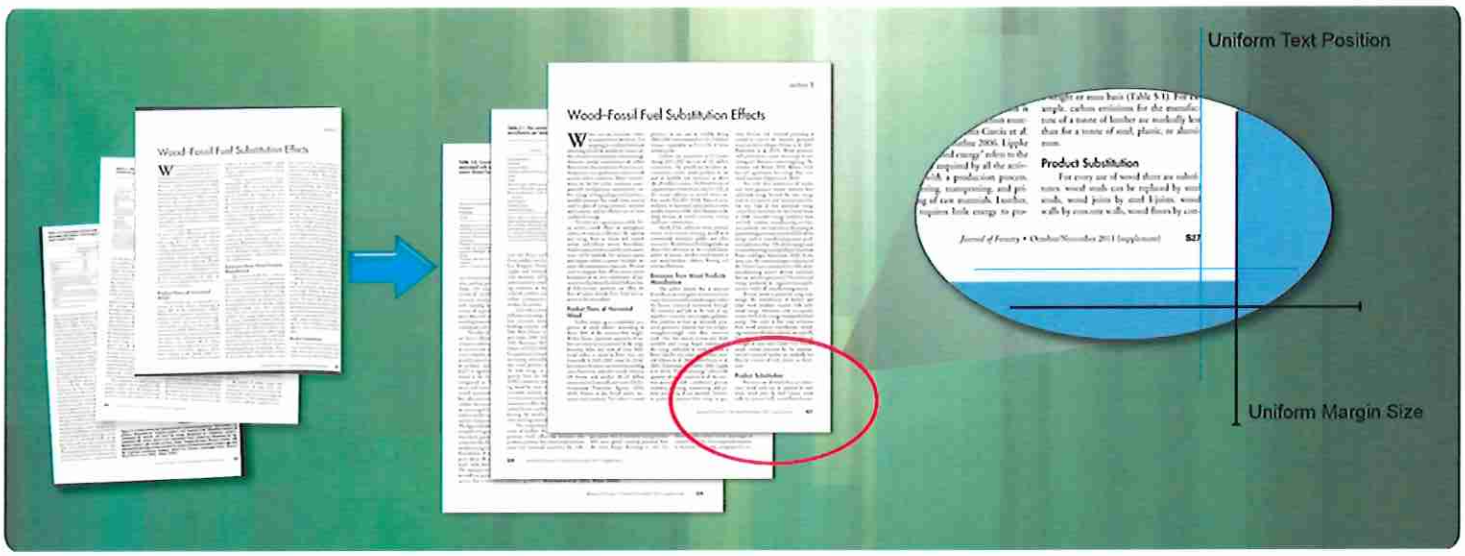
Auto / Manual Image Treatment

Content Stabilization

The most powerful image treatment tool in Opus FreeFlow's toolbox, ...

Content Stabilization is a general term for automatic and manual varieties of image treatment that can be performed during or after scan time with the purpose of producing clean, clear and consistently formatted digital images.

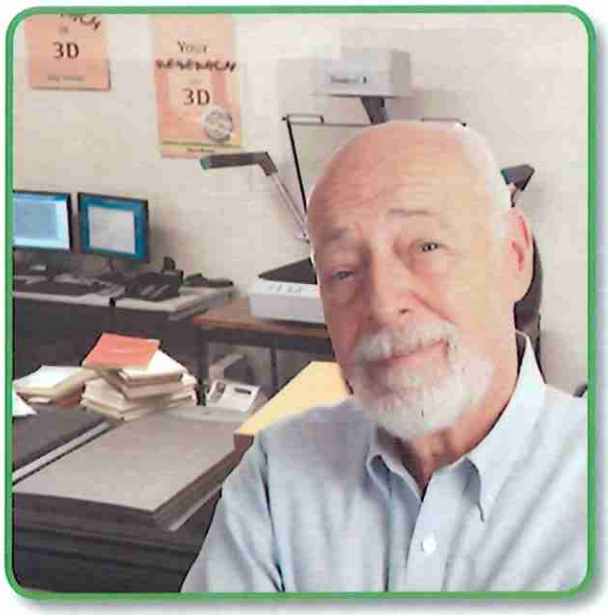
Book curve, skew, fan, gutter and black edges are automatically eliminated and margins are automatically adjusted to render clean, consistent margins of uniform size and text position for a clean, professional look.



Content Stabilization is typically applied automatically in batch after scan time and includes features like:

- Book Curve Correction
- Image Deskew
- Margin Alignment and Uniformity
- Horizontal and Vertical Centering
- Black Border Removal
- Finger Image Removal
- Bleedthrough Correction
- Reflection/Glare Correction

One or more of the image treatment features above can be applied to a single image, to selected images, or to all the images in a given batch. Manual Content Stabilization allows users even more precise control of the image treatments listed above and can be applied to one, many or all images in the same group.



Auto / Manual Metadata Capture

Derivative Creation

METS PDF Bitonal TIFF XML JPEG MODS text and more

Backup and Release

Hierarchical Metadata
with Templates

Open Archive Initiative (OAI)

Opus support for the Open Archive Initiative (OAI) takes on several forms. Opus has the ability to generate export derivative sets which can be added into an OAI-compliant metadata repository and made available via the OAI-PMH to any OAI compliant metadata harvesters. The DLSG operates and manages the cloud infrastructure necessary to support this need, thus freeing our users from having to acquire and maintain the expertise to make their chosen objects available to the digital archive community at large. For example, this feature of Opus allows its users to easily contribute to the Digital Public Library Project (DPLA) with just a few clicks.

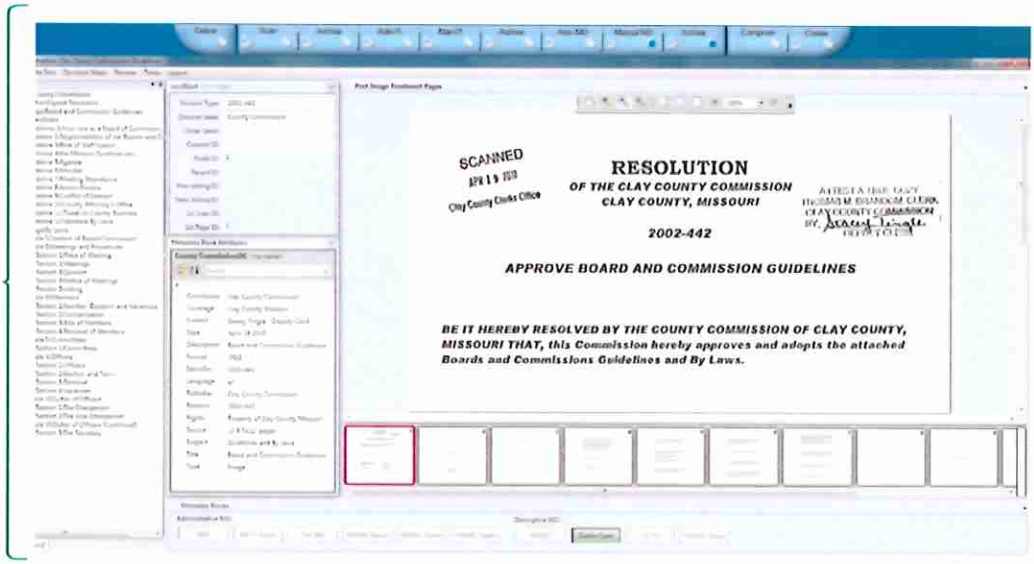
The underlying object resources (images) described in the OAI-compliant metadata export may either be hosted by the Opus customers themselves or the resources can be uploaded to a DLSG-maintained archive repository as part of the OAI publishing process.

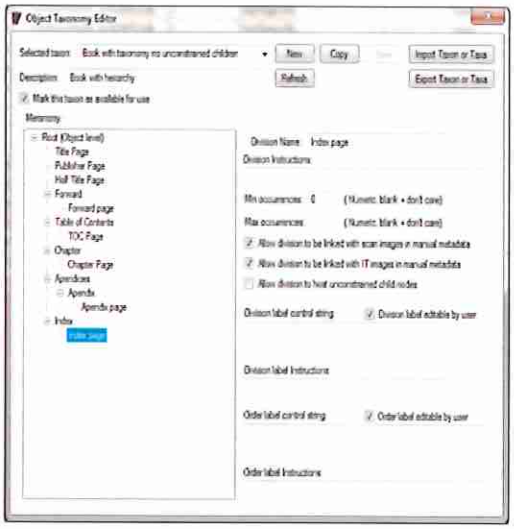
Published objects can be further queried and made available by Opus's support for the OAI-ORE project. In addition to the cloud based OAI publishing features, the DLSG cloud repository allows the user community of Opus Systems to share or exchange Opus objects among themselves.

Opus Hierarchical Metadata Capture

Opus' hierarchical metadata capture is controlled by templates that can be created and modified to fit virtually any requirements. Input field characteristics include: required/optional, repeatable/one occurrence only and other characteristics that can be specified when templates are constructed or modified. Opus provides several generic templates to capture the data necessary to create virtual library output formats.

Opus provides a straightforward graphical interface for creating and modifying hierarchical templates. The templates carry the characteristics of XML elements and attributes. Data entry rules such as required/ optional and single/multiple can be assigned to each field. During metadata capture and entry, Opus enforces the rules, thus simplifying metadata entry and reducing errors.


SCANNED
RESOLUTION
OF THE CLAY COUNTY COMMISSION
CLAY COUNTY, MISSOURI
2002-442
APPROVE BOARD AND COMMISSION GUIDELINES
BE IT HEREBY RESOLVED BY THE COUNTY COMMISSION OF CLAY COUNTY, MISSOURI THAT, this Commission hereby approves and adopts the attached Boards and Commissions Guidelines and By Laws.



In addition, the Opus hierarchical metadata input facility allows users to scroll back and forth through the images of an object (e.g. pages of a book) while reviewing and entering metadata.

One of the key benefits of the Opus Metadata capture system is its flexibility in allowing project curators to not only design and codify their own specialized metadata data capture needs, but to link these metadata collection sets to customized object meronomies. This degree of metadata capture task standardization affords the project's curator the confidence to know that their project's metadata needs will be met by the data collection team.

Once these completed metadata collection templates have been defined, they can be shared back into the curator's community, thus allowing the project to expand beyond a single institute. This ensures that the resultant aggregate of objects can be blended seamlessly together into a single master archive to be used by the project's curators to publish their collective work as part of a single repository.

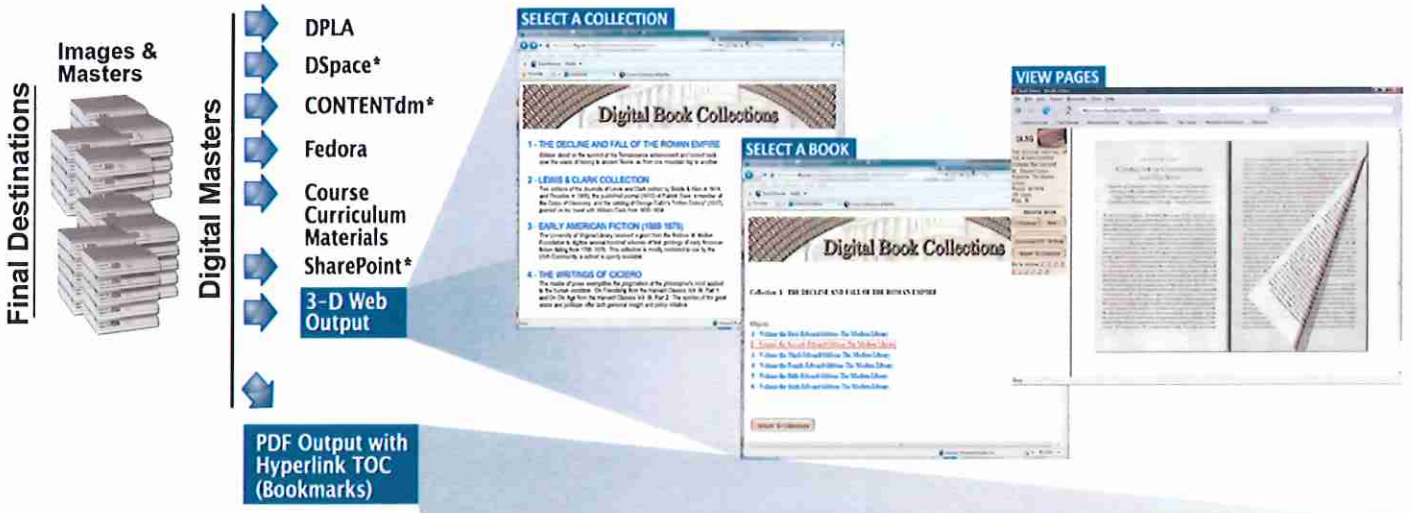
Opus Output:
Image Derivatives & Metadata

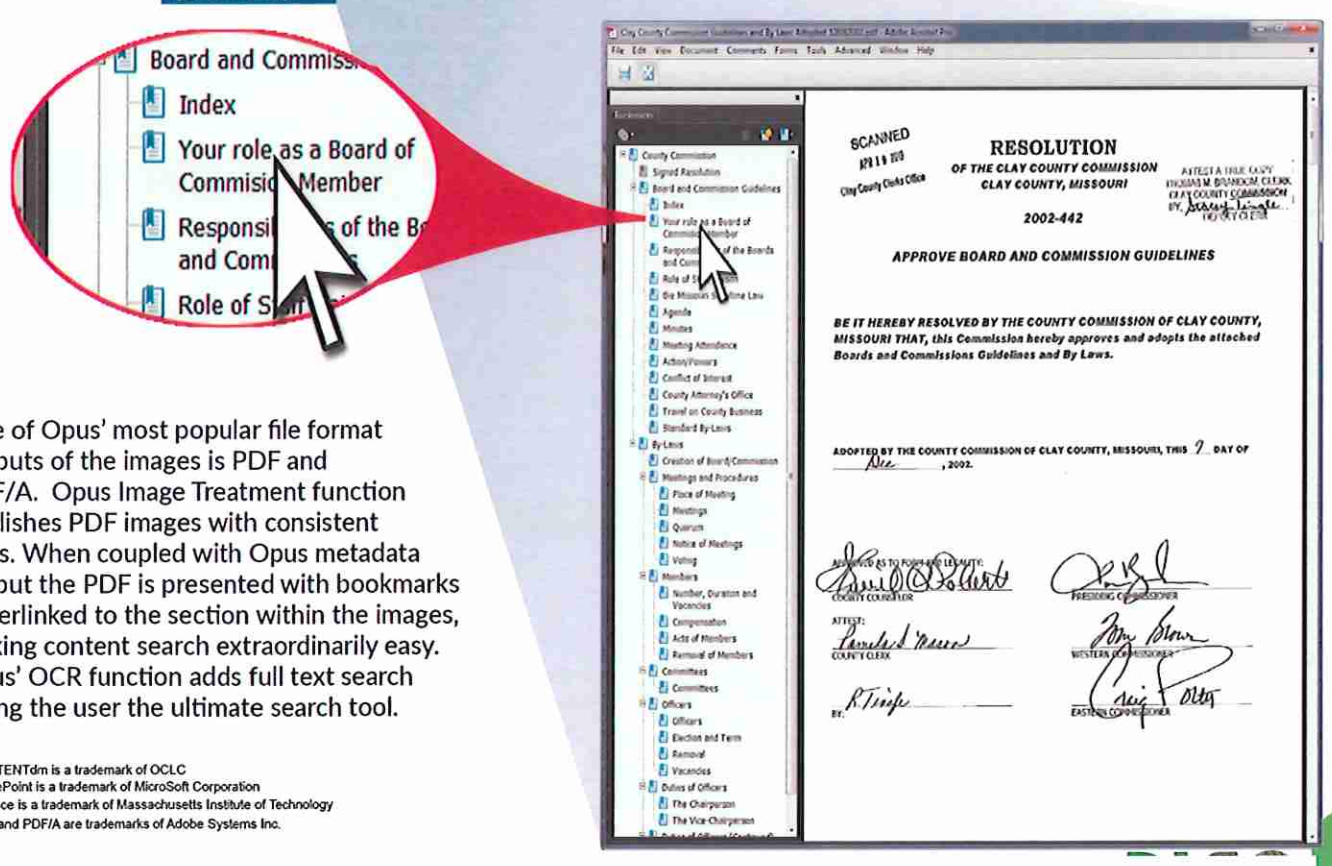
Opus Output: Image Derivatives & Metadata

Opus has a library of script files for common XML, flat file and other output formats for the metadata and associated images of digital objects (e.g. METS, MODS, Dublin Core). This script library is expandable with an unlimited number of custom formats. In addition to selecting the desired output format(s) for the metadata, the clarity, size and output formats of the images can be specified (e.g. TIFF,JPEG, PDF, PNG, etc.).

DLSG staff technicians can assist in modifying existing formats and creating new custom output formats.

The most exciting and immediately usable format that Opus creates is a Web-ready output that provides the experience of browsing the virtual stacks, selecting a digital book, opening it and turning the pages; as though the printed book were in front of you.




PDF Output with Hyperlink TOC (Bookmarks)
Board and Commiss
Index
Your role as a Board of Commisi Member
Role of St
SCANNED
RESOLUTION
OF THE CLAY COUNTY COMMISSION
CLAY COUNTY, MISSOURI
2002-442
APPROVE BOARD AND COMMISSION GUIDELINES
BE IT HEREBY RESOLVED BY THE COUNTY COMMISSION OF CLAY COUNTY, MISSOURI THAT, this Commission hereby approves and adopts the attached Boards and Commissions Guidelines and By Laws.
ADOPTED BY THE COUNTY COMMISSION OF CLAY COUNTY, MISSOURI, THIS 7 DAY OF Dec, 2002.

One of Opus' most popular file format outputs of the images is PDF and PDF/A. Opus Image Treatment function publishes PDF images with consistent sizes. When coupled with Opus metadata output the PDF is presented with bookmarks hyperlinked to the section within the images, making content search extraordinarily easy. Opus' OCR function adds full text search giving the user the ultimate search tool.

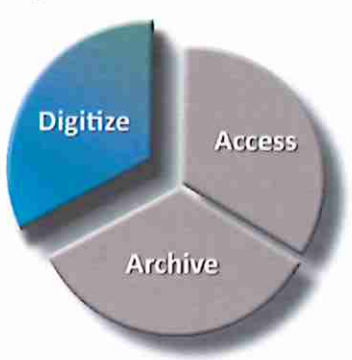
* CONTENTdm is a trademark of OCLC
SharePoint is a trademark of MicroSoft Corporation
DSpace is a trademark of Massachusetts Institute of Technology
PDF and PDF/A are trademarks of Adobe Systems Inc.

Opus FreeFlow VS Opus Workflow

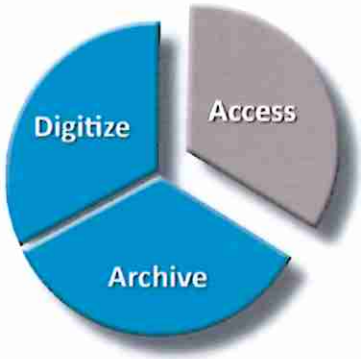
Features Comparison

Opus FreeFlow is an application that provides the scanning, image treatment and derivative creation capabilities of the full Opus Workflow digitization system outside of the structured project management environment.

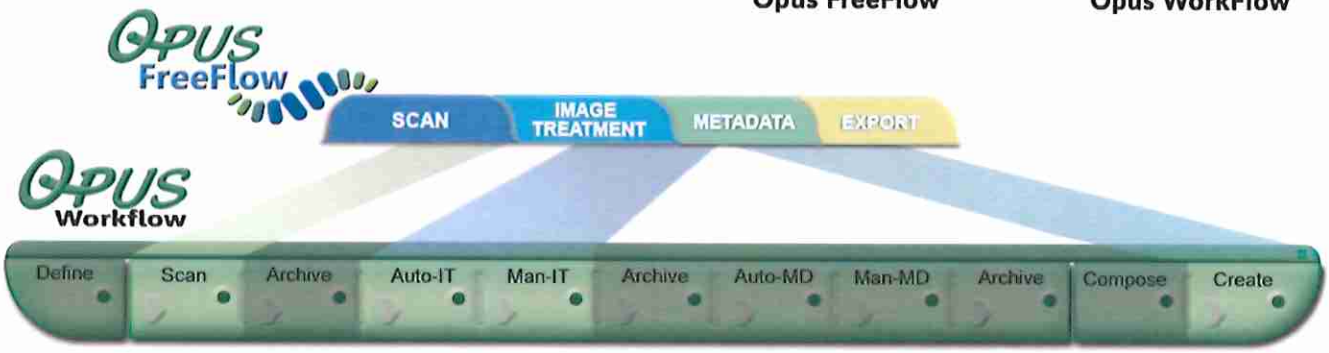
Unlike Opus Workflow, Opus FreeFlow doesn't perform automatic archiving or manage workflow. Opus FreeFlow is also fully compatible with Opus Workflow digitization software. They can be used independently or together. For example, while objects are in the middle of the Opus Workflow, they can be opened with Opus FreeFlow for additional scanning, image modification & creation of derivatives.



Opus FreeFlow



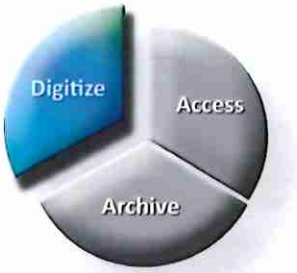
Opus WorkFlow



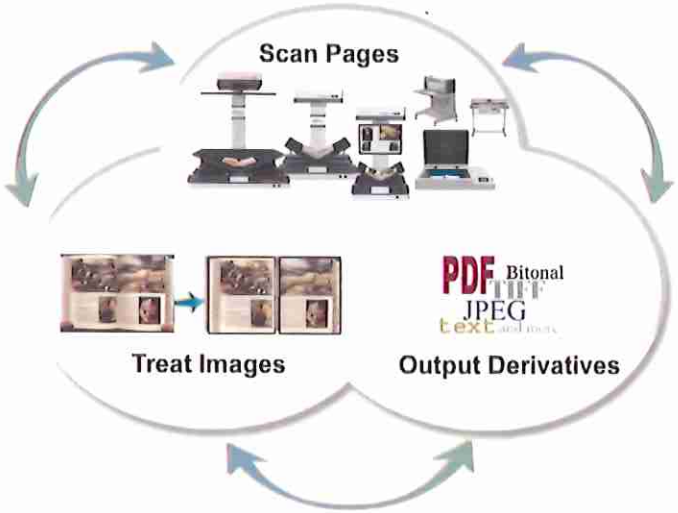
Define Projects Features and Capabilities	FreeFlow	Workflow
Creates and manages projects		YES
Creates and manages project templates		YES
Creates and manages objects	YES	YES
Prints object tracking sheets		YES
Maintains a project history database		YES
Scanning Capabilities	**FreeFlow**	**Workflow**
Automatically reads tracking sheets		YES
Containerizes the images of an object	YES	YES
Supports continuous (batch) scanning	YES	YES
Supports multiple concurrent projects and objects - suspend and resume scanning of unfinished projects and objects	YES	YES
Supports all Scan2Net® scanners	YES	YES
Supports many TWAIN scanners	YES	YES
Supports insertion, deletion, rescanning and rotation of images	YES	YES
Supports undo/redo	YES	YES
Archive Capabilities	**FreeFlow**	**Workflow**
Output of images and metadata for archival	YES	YES
Automatic archive of scanned images		YES
Automatic archive of treated images		YES
Automatic archive of metadata		YES
Project-level archive control via customizable templates		YES
Incremental archiving		YES
Supports Open RAID Off-line storage	YES	YES
Searchable archives		YES

Image Treatment Capabilities	FreeFlow	Workflow
Automatically locates content (configurable)	YES	YES
Automatically splits pages (configurable)	YES	YES
Automatically removes fan and gutter (configurable)	YES	YES
Automatically corrects for book curve (configurable)	YES	YES
Automatically levels background	YES	YES
Manual review, redo and override	YES	YES
Automatic process can be individually invoked by user	YES	YES
Image treatment scheduling (e.g. overnight)		YES
Template-based image treatment processing		YES
Metadata Capture Capabilities	**FreeFlow**	**Workflow**
Automatic capture of technical metadata	YES	YES
Hierarchical metadata entry	YES	YES
Template-based metadata entry	YES	YES
Custom template creation	YES	YES
Capture of METS metadata	YES	YES
Capture of MIX metadata	YES	YES
Capture of MODS metadata	YES	YES
Capture of Dublin Core metadata	YES	YES
Capture of structural metadata for 3-D virtual page turning Web output	YES	YES
Capture of metadata for import to OAI-PMH Compliant Repositories	YES	YES
Capture of metadata for import to OAI-ORE Compliant Repositories	YES	YES
Capture of metadata for import to D-SPACE, Content DM, Re-Discovery, Fedora	YES	YES
Data entry rules: (e.g. required/optional fields, repeat/once only fields)	YES	YES
Collection Composition and Creation Capabilities	**FreeFlow**	**Workflow**
Current object output of images in formats that can be imported by D-SPACE, Content DM, Fedora, Re-Discovery and other content managers	YES	YES
Selection of an unlimited number of objects to be output as a collection or for overnight processing		YES
Assignment of attributes to each collection		YES
Collection history and attribute database		YES
Collection list management		YES
Object search capability		YES
Derivative file attribute specification (e.g. format, size, res, color depth, quality factor)	YES	YES
Output of TIFF, JPEG, PDF, PDFA, PNG, GIF, rich text, ASCII, Unicode, audio and other file formats, (one image per file or the entire volume in a single file)	YES	YES
Output of full images, reduced images, Web images, thumbnail images	YES	YES
Automated, unattended (e.g. overnight output of multiple derivatives)		YES
Output of METS metadata	YES	YES
Output of MIX metadata	YES	YES
Output of MODS metadata	YES	YES
Output of Dublin Core metadata	YES	YES
Output of structural metadata for 3-D virtual page turning Web output	YES	YES
Output of metadata for import to OAI-PMH Compliant Repositories	YES	YES
Output of metadata for import to OAI-ORE Compliant Repositories	YES	YES
Output of metadata for import to D-SPACE, Content DM, Re-Discovery, Fedora	YES	YES

Opus FreeFlow



Opus FreeFlow digitization software provides all the necessary functionality to create digital books and other materials from scanned images. Prior to Opus, digitization had to be performed one image at a time using photo editors for image treatment, and content managers for keying metadata. With Opus Freeflow, after scanning and treating images, digital derivative images are output to destinations such as digital content management systems, and digital master images to digital archive systems.



Opus Digitization Workflow software allows for the use of temporary workers with minimal training while minimizing the chance of errors and ensuring that preservation quality standards are met. Unlike FreeFlow, Opus Workflow applies somewhat rigid management principles. Opus FreeFlow and Opus Digitization Workflow work seamlessly together and can be used by a trained digitization staff member at any time to perform processing and output independently of Opus Workflow.

Opus FreeFlow also works with third-party software. For example, if a user wishes to perform an image treatment function supported by a popular photo editor, the press of a button in Opus FreeFlow can launch the third-party application with the current image ready for editing. Once the edits are completed and saved, exiting the photo editor will return the user to Opus FreeFlow with the image showing the modifications that were made.

Opus FreeFlow Feature Summary

Scanning

- Containerizes the images of an object
- Supports continuous (batch) scanning
- Supports multiple concurrent objects
- Suspend and resume scanning of unfinished objects
- Supports all Scan2Net® scanners
- Supports many TWAIN scanners
- Supports image insert, delete, rescan, rotate
- Supports undo/redo

Image Treatment

- Automatically locates content (configurable)
- Automatically splits pages (configurable)
- Automatically removes fan and gutter (configurable)
- Automatically corrects for book curve (configurable)
- Automatically levels background
- Manual review, redo and override
- Automatic process can be individually invoked by user

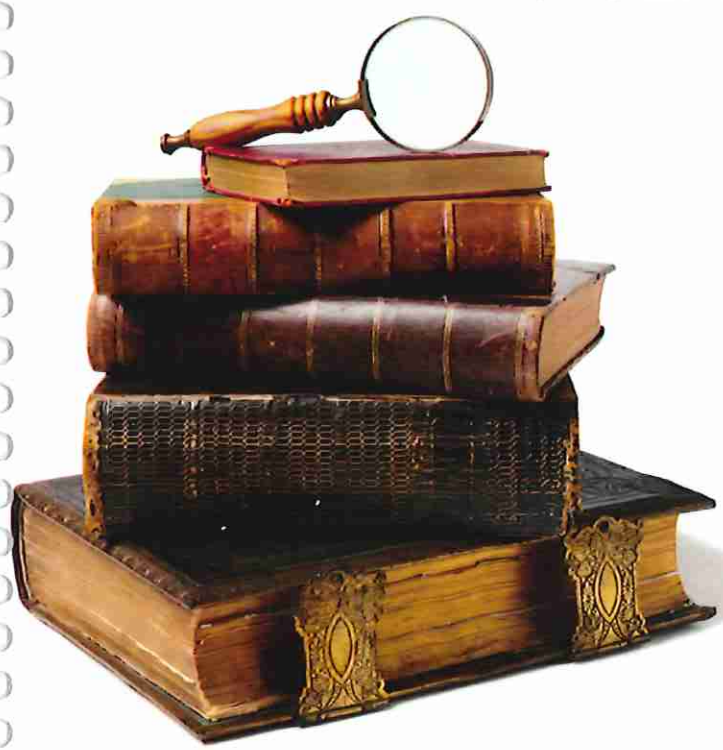
Collection Composition and Creation

- **Current object output in formats that can be imported by D-SPACE, Content DM, Fedora, Re-Discovery, & other content managers**
- **Derivative attribute specification (e.g. file format, size, resolution, color depth, quality factor)**
- **Output of TIFF, JPEG, PDF, PNG, GIF, rich text, ASCII, Unicode, audio & other file formats, (one image per file or the entire volume in one file)**
- **Output of full images, reduced images, Web images, thumbnail images**

Opus Workflow

Production Digitization Workflow Software

One Product ... 8 Exceptional Advancements



- ✓ Superior Image Treatment ... Designed for Projects and Archival
- ✓ Fully Integrated Hierarchical Metadata Capture
- ✓ Next Generation Workflow with Automatic Archive
- ✓ Open RAID Digital Archiving & Migration Management Software using Automated Data Migration Facility
- ✓ Customizable output formats including Web with virtual 3D page turning
- ✓ Enlightened Architecture
- ✓ Supported by experienced digital experts
- ✓ Creation of large amounts of derivatives unattended (e.g. overnight)

A New Era in Digitization

Get into the game with Opus! Long have the complexity and high startup and operating costs of digitization projects kept most libraries, museums and archives on the sidelines. Opus leverages today's high-performance, low-cost computers to obliterate those barriers with its paint-by-numbers digitization system that produces the highest quality digital collections possible at less than 1/3 historic startup and operating costs. In as little as one day, Digital Library Systems Group (DLSG) installation and training staff will leave you with a fully operational digitization system. Follow-up training sessions via the Web ensure that your staff is producing multiple beautiful digital books per day in no time, complete with hierarchical metadata.

With the new low prices and high-performance of the latest book scanning hardware, complete digitization labs are surprisingly affordable.

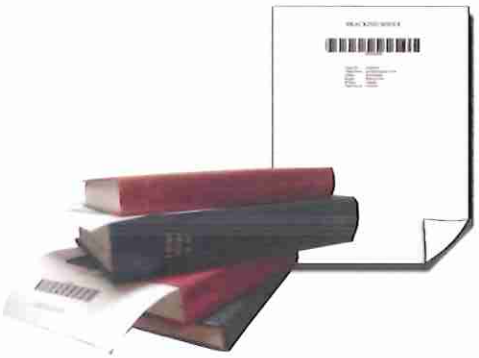
The digital archives that Opus creates can be accessed without proprietary software. Using its Compose Collection and Create Collection capabilities, Opus can create an unlimited number of digital collections in nearly unlimited formats (derivatives) any time in the future. Simply select the desired volumes and data formats and let Opus create your collection(s) unattended overnight.

Opus' automated data migration facility makes it easy to transfer multiple copies of your digital archive to new media every three to five years, ensuring that no data is ever lost. In addition, during data migration, Opus will automatically convert from outdated data formats to any new standards that might emerge in the future.

Opus Digitization Workflow System

a Complete Turnkey System Built for Non-Technologists

Define	Scan	Raw Archive	Auto IT	Manual IT	Treated Image Archive
The Define stage locks object-level metadata to each volume prior to scanning via a barcoded tracking sheet that is kept with the volume. The scan operator simply scans the tracking sheet, then the volume. Metadata templates can also be selected in this stage.	The Scan stage supports virtually every type of scanner at the highest quality possible, including ultra-large scanners that produce ultra-large, multi-gigabyte images.	The first Opus Archive stage automatically archives raw, unmodified images prior to any image treatment. Image treatment can be performed at any time in the future with different parameters and new algorithms.	The Automatic Image treatment stage can determine book skew, create consistent margins, eliminate book curve, fan and gutter, and smooth backgrounds. Opus Image treatment functions are not limited by file size.	The Manual Image treatment stage provides for careful, quick review of each image for scan quality and auto-image treatment results. Bad scans are flagged for rescan, and image treatment problems are corrected with its very easy, efficient graphical interface.	The second Opus Archive stage automatically archives images treated by the prior two stages. Multiple versions of treated images can be maintained.
PROJECT MANAGER	WORKER	AUTOMATED	AUTOMATED	WORKER	AUTOMATED



Archive

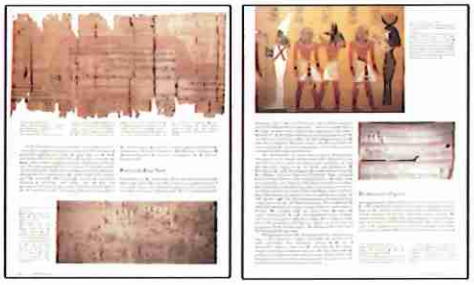
Define **Scan**

Archive

Archive

Auto / Manual Metadata **Compose**

Auto Metadata Capture	Manual Metadata Entry	Metadata Archive	Compose	Create
The Automatic Metadata Capture stage captures metadata that was specified in the metadata template, stores it in a non-proprietary XML format and passes it to the Manual Metadata Entry stage.	This stage provides an intuitive hierarchical graphical interface for entering the metadata specified in the object's template, from object level to page and sub-page level, with an unlimited number of elements at each hierarchical level.	The third and final Opus Archive stage automatically archives the captured and keyed metadata in a non-proprietary format. Whenever objects are output by the Compose and Create stages, the metadata is transformed to the desired output format.	The Compose stage allows unlimited numbers of digital collections to be exported repeatedly with different image and metadata specifications. Each digital collection can include any number of objects from the archive. Format, size, clarity and metadata can vary widely.	This stage provides unattended output of entire digital collections comprising many volumes. Since image resizing, etc. can be very time intensive, this stage can be performed overnight.
AUTOMATED	METADATA WORKER	AUTOMATED	PROJECT MANAGER/ WORKER	AUTOMATED



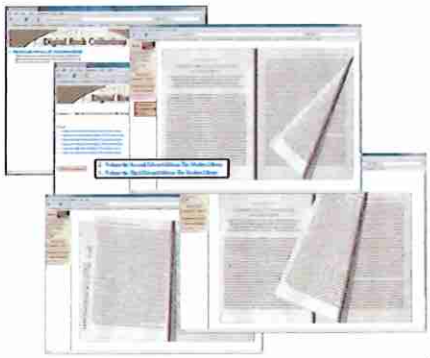
Archive

Auto Image Treatment

Manual Review / Image Treatment

Grayscale PDF/A
PDF Bitonal
TIFF
Color JPEG
text Audio
and more

- Web Ready
- CD/DVD
- CONTENTd
- Fedora
- DSpace



Create

Elements of Opus

Workflow Manager

Opus Workflow Manager completely manages all objects throughout the entire digitization process while allowing third party software to be used where desired; provides tools for monitoring all objects as they move through the digitization workflow system to make managing projects and scheduling workers a breeze; and minimizes the cost of rework, whether it be skipped or improperly performed work, or even a change in the fundamental rules governing a digitization project.

Automatic and Manual Image Treatment

Opus completely automates the Image Treatment processes by separating two-up images, removing bookfold distortion, fan, gutter, and skew; all in a single operation. Opus also provides a streamlined graphical interface to manually perform the specialized image treatment functions required for both digital preservation and the various types of access.

Integrated Hierarchical Metadata Capture

Opus' Metadata Capture stages are not part of any digital collection viewing software, but instead are built seamlessly into the Opus digitization workflow system. The Opus Metadata Capture stages allow users to select from a list of standard hierarchical metadata templates, create new ones and restrict users to a subset of templates for a given project. The templates include metadata characteristics like requiring certain metadata to be captured, allowing some types of metadata to be repeated and requiring a single value for other types.

State-of-the-Art Customizable Output Derivatives and Formats

Opus' Create Collection stage provides output that can be imported into open source and proprietary content management and digital library systems. Storage and internet bandwidth requirements rise as image quality rises. Opus lets the user select the ideal compromise for each access system that collections are deployed to. If requirements change, simply output the collection again with different clarity parameters.

Automated Archival

Opus adheres to the Open RAID standard. During the digitization process, there are three points at which archival is necessary: 1) archival of images immediately after scanning and before image treatment is performed; 2) archival of images after image treatment has been performed; and 3) archival of metadata after metadata has been captured. Opus creates archives that are open architecture in formats that are accessible by today's communities of users, and with the proper data migration plan, will be accessible by its future communities of users.

Data Migration Facility

Opus provides an Archive Management and Data Migration facility which is intended to be run periodically, before the possibility of any media-related data loss becomes significant and before the media or data formats become obsolete. Opus' data migration facility runs unattended. While moving the data to new media, it can convert images and/or metadata from its existing standardized formats to new standardized formats, ensuring that data is never lost and is always in a format that is accessible by its community of users.

Digital Collection Web Site Creator

Opus provides Web-ready output that allows viewers to select a volume, open it and navigate from section to section and from page to page. A lifelike 3-D virtual page turning experience is provided as well. Opus creates the image files, downloadable PDFs, HTML, etc. including an entry point file called default.html and places them in a folder. To deploy a Web-ready digital collection, simply place the contents of the folder created by Opus on a Web site server and link the default.html file to an existing Web page. A thousand-book collection can be deployed in little more than the time it takes to copy the data.

Enlightened Architecture

The Opus architecture originates from a clear understanding of the core purposes of each element of digitization and access systems. In the book publishing business, rarely are books manufactured in the stores that sell them. Not only is manufacturing separate from retail, but distributors exist to attend to the specific needs of each of their stores while providing a simple, consolidated relationship with book manufacturers. In some cases, distributors provide warehousing services and in other cases, product warehousing is performed by the manufacturer. Opus serves as the manufacturer, warehouse and distributor.

Highlights

- Controls scanners and groups images into objects
- Automatically archives raw scanned images
- Automatically separates two-up images, removes bookfold distortion, fan, gutter, skew and other undesirable artifacts of digitization
- Allows manual review and adjustment of automatic image treatment results
- Supports third-party image editing software (e.g. Photoshop)
- Automatically archives treated images
- Automatically captures hierarchical metadata
- Allows manual review, adjustment of automatically captured hierarchical metadata and manual keying of additional hierarchical metadata
- Automatically archives hierarchical metadata
- Unlimited numbers of archive volume storage units
- Automates data migration
- Data Migration to new formats as they evolve
- Allows an unlimited number of collections to be composed from an archive
- Outputs an unlimited variety of image and metadata derivatives in a wide variety of formats
- Creates complete, ready-to-go digital library Web sites with virtual 3-D page turning
- Displays real-time workflow status changes
- Provides easy, real-time tracking of objects as they are processed through the workflow
- Supports multiple predefined as well as custom image treatment templates
- Supports multiple predefined as well as custom metadata capture templates
- Supports multiple workflow workstations
- Allows for multiple metadata capture sets to be collected for each object
- Allows for the reprocessing of objects under new or different image treatment algorithms without requiring the object to be rescanned

Opus Image Treatment

Opus takes the tedium out of image treatment by providing users with an interface that is wholly dedicated to processing images for archive, preservation and access. Even problem images can be fully processed in seconds. Prior to manually reviewing and adjusting images, Opus performs image treatment functions automatically. If any automatic image treatment function requires additional adjustment, Opus allows the user to graphically 'assist' Opus and make adjustments in seconds.

Skewed

Skew Corrected

Cropped Image

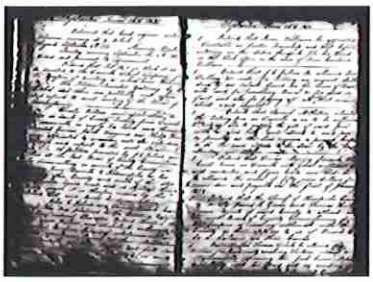
Automatic image treatment removes skew, adjusts the border, and eliminates fan and gutter. The treated image may be further refined by manual treatment.

Book Curvature

Book Curvature Corrected

Book curvature produced from scanning tightly bound books may be realigned using Opus' sophisticated book curve correction tool. Text and photos are returned to their original alignment and orientation.

Too Dark

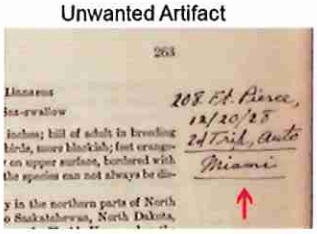


Just Right

Too Light

Opus allows for the output of a large variety of derivatives. Controlling threshhold optimizes the clarity for each type of derivative which, in turn, produces the highest quality image for that output request.

Unwanted Artifact



Artifact Removed

Artifacts of all types may be removed from an image while retaining the underlying variations in shading. Fingers, blemishes, stains or even handwritten notes may all be removed to produce an image that closely resembles the original. Opus enables you to publish both the treated and untreated image.

Photostat

Inverted Photostat

Photostats and negatives are easily inverted revealing an otherwise unreadable document.

Hierarchical Metadata
with Templates

Open Archive Initiative (OAI)

Opus support for the Open Archive Initiative (OAI) takes on several forms. Opus has the ability to generate export derivative sets which can be added into an OAI-compliant metadata repository and made available via the OAI-PMH to any OAI compliant metadata harvesters. The DLSG operates and manages the cloud infrastructure necessary to support this need, thus freeing our users from having to acquire and maintain the expertise to make their chosen objects available to the digital archive community at large. For example, this feature of Opus allows its users to easily contribute to the Digital Public Library Project (DPLA) with just a few clicks.

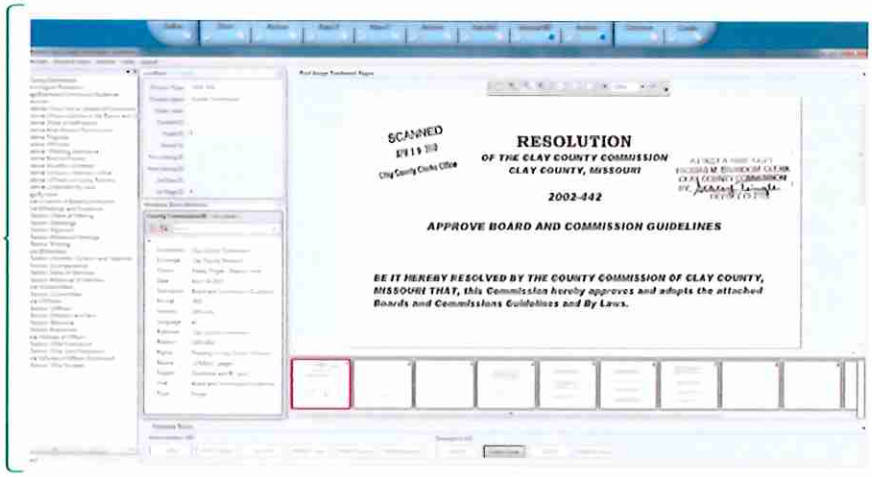
The underlying object resources (images) described in the OAI-compliant metadata export may either be hosted by the Opus customers themselves or the resources can be uploaded to a DLSG-maintained archive repository as part of the OAI publishing process.

Published objects can be further queried and made available by Opus' support for the OAI-ORE project. In addition to the cloud based OAI publishing features, the DLSG cloud repository allows the user community of Opus Systems to share or exchange Opus objects among themselves.

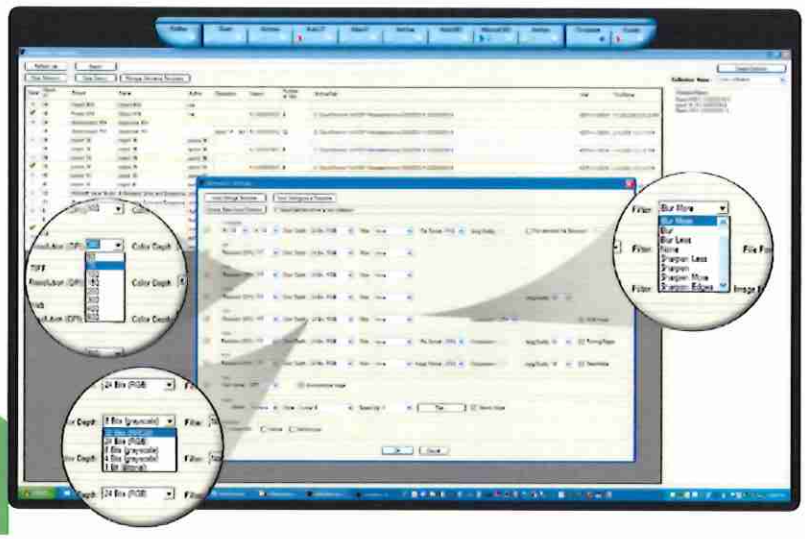
Opus Hierarchical Metadata Capture

Opus' hierarchical metadata capture is controlled by templates that can be created and modified to fit virtually any requirements. Input field characteristics include: required/optional, repeatable/one occurrence only and other characteristics that can be specified when templates are constructed or modified. Opus provides several generic templates to capture the data necessary to create virtual library output formats.

Opus provides a straightforward graphical interface for creating and modifying hierarchical templates. The templates carry the characteristics of XML elements and attributes. Data entry rules such as required/optional and single/multiple can be assigned to each field. During metadata capture and entry, Opus enforces the rules, thus simplifying metadata entry and reducing errors.


SCANNED
RESOLUTION
OF THE CLAY COUNTY COMMISSION
CLAY COUNTY, MISSOURI
2002-442
APPROVE BOARD AND COMMISSION GUIDELINES
BE IT HEREBY RESOLVED BY THE COUNTY COMMISSION OF CLAY COUNTY, MISSOURI THAT, this Commission hereby approves and adopts the attached Boards and Commissions Guidelines and By Laws.

The first nine stages of Opus create normalized digital masters. The Opus Compose Collection facility withdraws objects from the stored normalized digital masters and publishes them to their final destination(s).



Composing collections couldn't be easier. Select the digital volumes that comprise the desired digital collection in minutes with Opus Collection Composer. Simply name the collection and begin adding objects by browsing the digital archives managed by Opus. A simple click of the mouse adds a volume to the collection.

Digital archives are reusable assets, especially when managed by Opus. Once you have created your archive, you can use it anytime to compose and automatically create new and different collections, course curriculum materials, etc. Online digital content and print-on-demand add to the many digital formats.

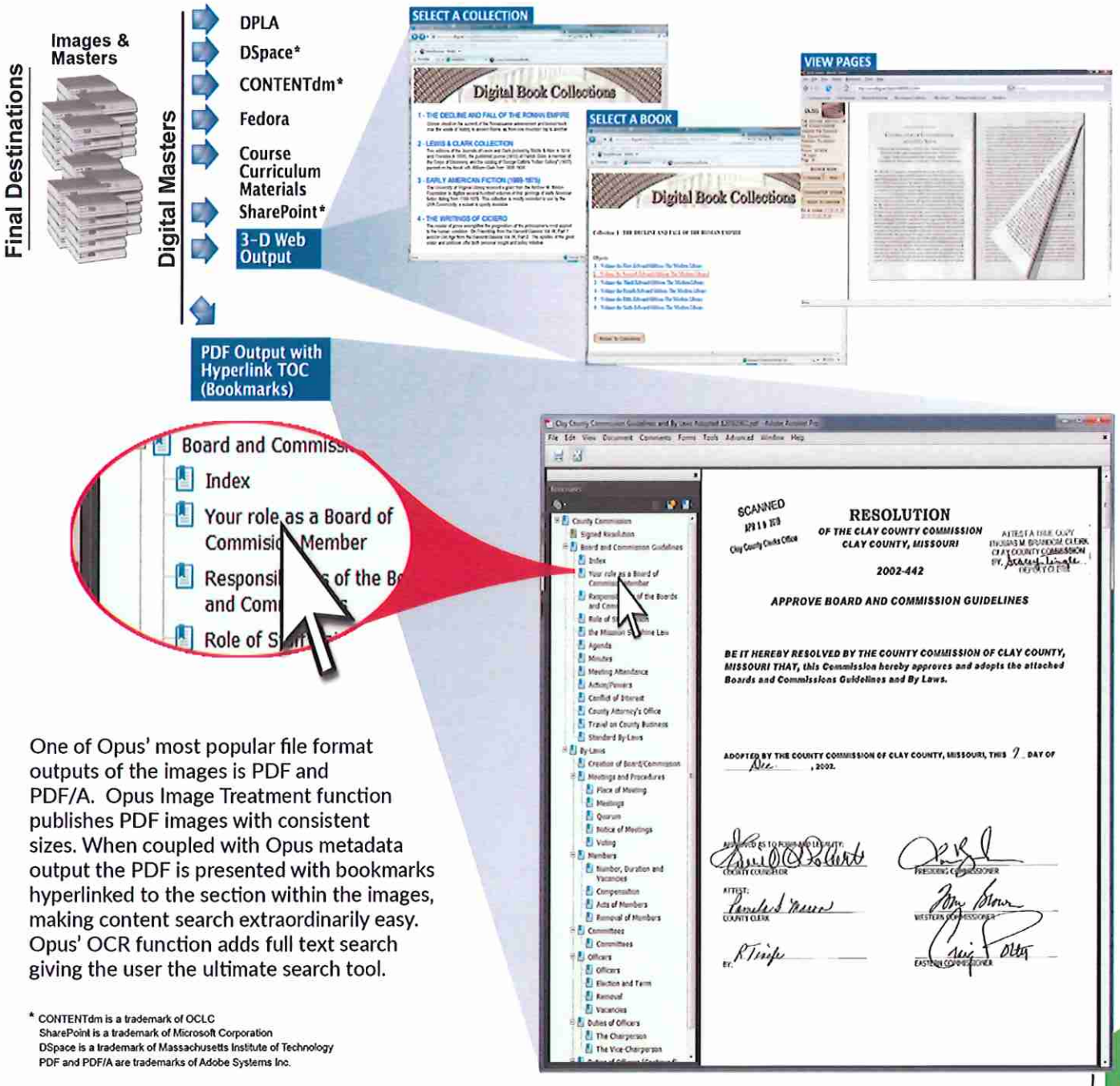
Opus Output:
Image Derivatives & Metadata

Opus Output: Image Derivatives & Metadata

Opus has a library of script files for common XML, flat file and other output formats for the metadata and associated images of digital objects (e.g. METS, MODS, Dublin Core). This script library is expandable with an unlimited number of custom formats. In addition to selecting the desired output format(s) for the metadata, the clarity, size and output formats of the images can be specified (e.g. TIFF,JPEG, PDF, PNG, etc.).

DLSG staff technicians can assist in modifying existing formats and creating new custom output formats.

The most exciting and immediately usable format that Opus creates is a Web-ready output that provides the experience of browsing the virtual stacks, selecting a digital book, opening it and turning the pages; as though the printed book were in front of you.


Final Destinations
Images & Masters
Digital Masters
DPLA
DSpace*
CONTENTdm*
Fedora
Course Curriculum Materials
SharePoint*
3-D Web Output
SELECT A COLLECTION
Digital Book Collections
SELECT A BOOK
Digital Book Collections
VIEW PAGES
PDF Output with Hyperlink TOC (Bookmarks)
Board and Commissi
Index
Your role as a Board of Commissi Member
Responsi s of the Bo
and Com
Role of St
RESOLUTION
OF THE CLAY COUNTY COMMISSION
CLAY COUNTY, MISSOURI
2002-442
APPROVE BOARD AND COMMISSION GUIDELINES
BE IT HEREBY RESOLVED BY THE COUNTY COMMISSION OF CLAY COUNTY, MISSOURI THAT, this Commission hereby approves and adopts the attached Boards and Commissions Guidelines and By Laws.
ADOPTED BY THE COUNTY COMMISSION OF CLAY COUNTY, MISSOURI, THIS 2 DAY OF Dec , 2002.

One of Opus' most popular file format outputs of the images is PDF and PDF/A. Opus Image Treatment function publishes PDF images with consistent sizes. When coupled with Opus metadata output the PDF is presented with bookmarks hyperlinked to the section within the images, making content search extraordinarily easy. Opus' OCR function adds full text search giving the user the ultimate search tool.

* CONTENTdm is a trademark of OCLC
SharePoint is a trademark of Microsoft Corporation
DSpace is a trademark of Massachusetts Institute of Technology
PDF and PDF/A are trademarks of Adobe Systems Inc.

Premium Maintenance Plan

Image Access has an unmatched service and support record. It is impossible to affordably provide service personnel living in every city and town across America that are highly trained on the very special technologies needed by libraries. Instead, DLSG designs remote serviceability into its products and has perfected remote diagnosis and when possible, repair.

The resulting savings allows DLSG to frequently and promptly provide loaner/ swap-out equipment and to go on site whenever necessary to maintain and repair equipment, minimizing interruptions in service.

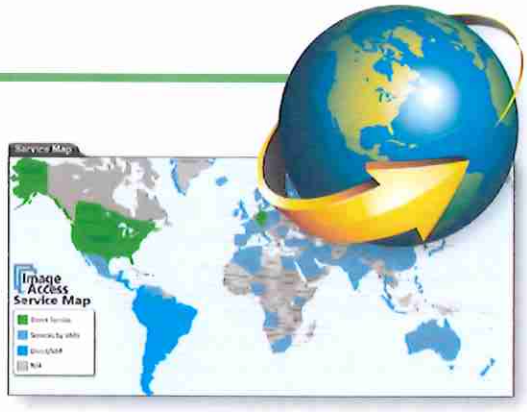


Image Access Company History

Events

United States

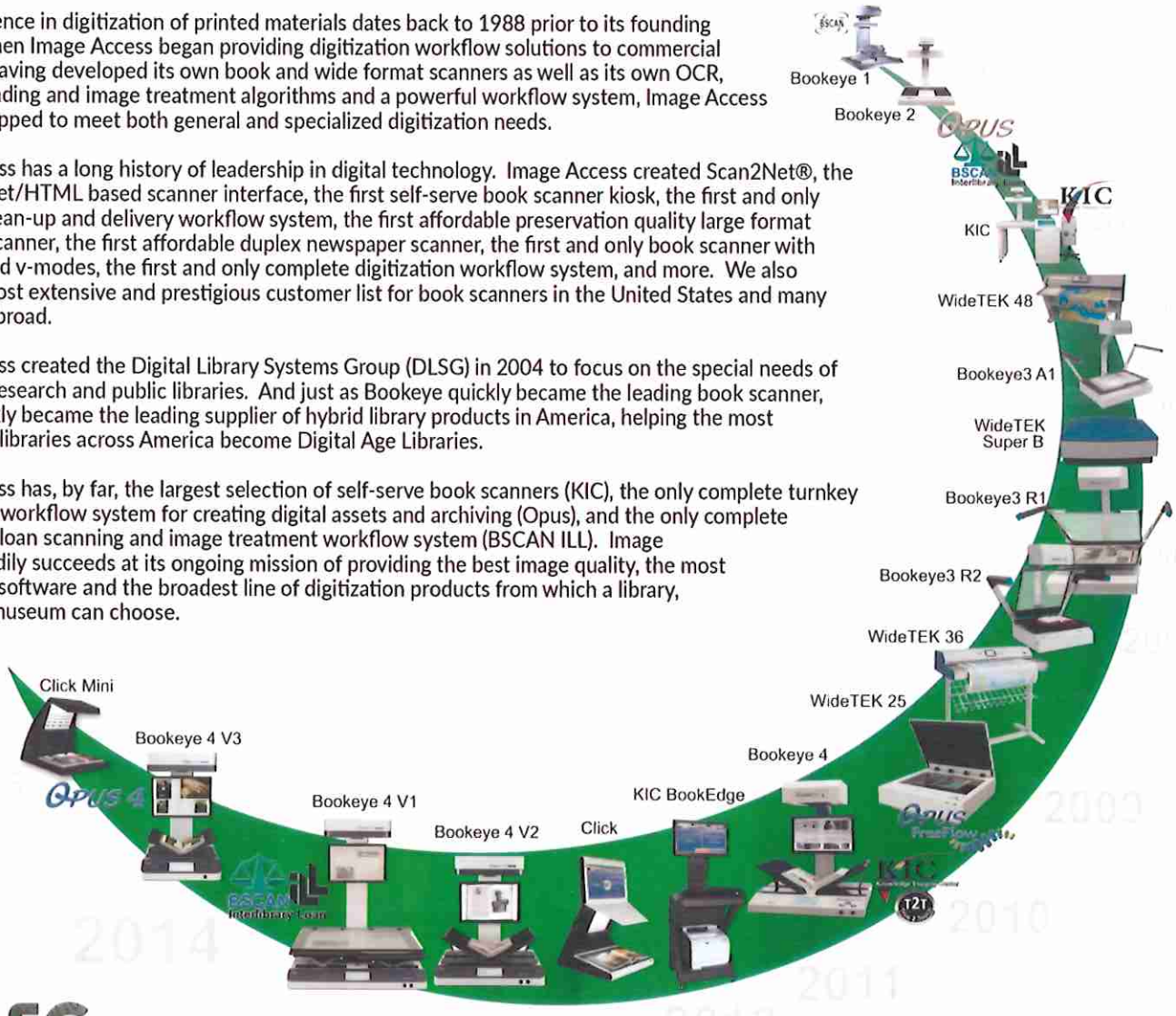
Europe

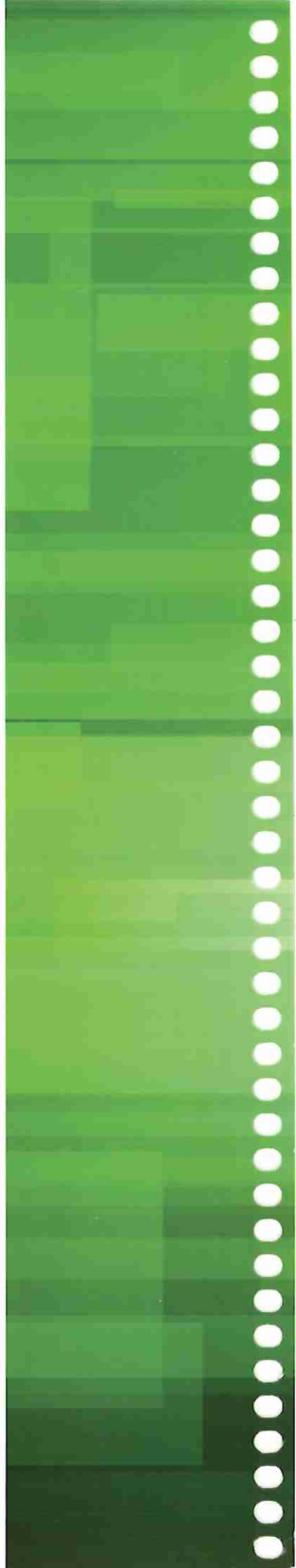
Our experience in digitization of printed materials dates back to 1988 prior to its founding in 1993, when Image Access began providing digitization workflow solutions to commercial markets. Having developed its own book and wide format scanners as well as its own OCR, barcode reading and image treatment algorithms and a powerful workflow system, Image Access is well-equipped to meet both general and specialized digitization needs.

Image Access has a long history of leadership in digital technology. Image Access created Scan2Net®, the first Ethernet/HTML based scanner interface, the first self-serve book scanner kiosk, the first and only ILL scan, clean-up and delivery workflow system, the first affordable preservation quality large format planetary scanner, the first affordable duplex newspaper scanner, the first and only book scanner with both flat and v-modes, the first and only complete digitization workflow system, and more. We also have the most extensive and prestigious customer list for book scanners in the United States and many countries abroad.

Image Access created the Digital Library Systems Group (DLSG) in 2004 to focus on the special needs of academic, research and public libraries. And just as Bookeye quickly became the leading book scanner, DLSG quickly became the leading supplier of hybrid library products in America, helping the most prestigious libraries across America become Digital Age Libraries.

Image Access has, by far, the largest selection of self-serve book scanners (KIC), the only complete turnkey digitization workflow system for creating digital assets and archiving (Opus), and the only complete Interlibrary loan scanning and image treatment workflow system (BSCAN ILL). Image Access handily succeeds at its ongoing mission of providing the best image quality, the most specialized software and the broadest line of digitization products from which a library, archive or museum can choose.





DLSG a division of Image Access

Digital Library Systems Group

www.DLSG.com

www.ImageAccess.com